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1927



62ND ANNUAL
CATALOGUE

CHOICE IOWA SEEDS



ONLY ONE
THE BEST
QUALITY

Planting Time

SEEDSMEN

TO THE

AMERICAN

PEOPLE

THE IOWA SEED CO.
DES MOINES IOWA U.S.A.

D. N. Shoemaker



1865 Sixty-second Year 1927

The Iowa Seed Co.

"Seedsman to the American People"

EAST FOURTH AND LOCUST STREETS

DES MOINES, IOWA

GREETINGS TO OUR FRIENDS

It is with pleasure that we send you this Sixty-second Annual Catalog of Choice Iowa Seeds.

For three generations it has been our privilege to supply seed for the gardens of the nation.

Our title, "Seedsman to the American People," has not only been a royal privilege but a sacred obligation.

Many of the varieties of vegetables and flowers, seed corn and small grain, which you grow and enjoy today, were originated or introduced by us.

And for all of this we are in turn indebted to you. The American People, for it was your orders year after year, and constant demand for more prolific varieties, more beautiful flowers that has given our work support.

This catalog will reach many friends of long standing, for in our files are names that have been recorded for over a quarter of a century. We are always glad to hear from you and count it a privilege to serve you in any way we can.

Write us often. Come in and see us when you can.

Yours for better seeds,

THE IOWA SEED COMPANY,

Geo. L. Kurtzweil, President.

PLANTING TIME

The picture on the cover was taken in Iowa at the season when the click of the planter is heard throughout the land.

The planting of the seed is "the beginning of miracles" for nothing is more miraculous than the corn crop. A few short months from planting to harvest—and the world's largest crop is produced.

And all of this harvest is made by the seed in the planter boxes "at planting time."

After the soil is fertilized, plowed and harrowed, we still must look out for good seed. Will the seed make the most of the opportunity we have given it? It will, only when it is the best obtainable.

Iowa Shield Brand Seeds have made good for more than a half century—because they were the best obtainable.



SUGGESTIONS ABOUT ORDERS

QUALITY AND PRICE.—Our prices—while not the first consideration, are always kept as low as possible, for quality seeds.

Last year our price on Onion Seed was very high, but those who purchased of us received good, new crop seed from the very short supply of that year. Onion varieties are priced much lower this season and you can afford to buy liberal quantities.

Ask for prices on large lots. Only the quantities usually ordered are priced in the catalog. If you wish larger lots send us a list for estimate.

Prices are based on the quantity ordered regardless of who is the purchaser. Dealers do not sell Choice Iowa Seeds or Iowa Shield Brand goods. You can buy them only through us. You get them direct—you know they are fresh and unadulterated.

HOW TO SEND MONEY.—The most convenient way to you, of course, Money Orders and Bank Drafts are safe. Your check for larger amounts is acceptable. You may send stamps for change or small orders. There is seldom any loss of money in the mails.

WHAT WE GUARANTEE.—That remittances, sent in any of the protected ways shall reach us; that your order will be filled promptly and well; that the goods ordered shall reach you safely, and in good condition.

WHAT WE DO NOT GUARANTEE.—The kind of crop our seeds will produce for you. As there are so many contingencies, such as time of planting, depth of planting, soil, weather and insects. No employee or officer of this company is authorized to make any warranty whatsoever. We, however, have so much confidence in our "Choice Iowa Seeds" that we hereby agree to refill any order for Garden or Flower Seeds, free of charge, should they prove otherwise than we represent them. We know of no responsible seed firm which will guarantee seeds further than this.

SEEDS BY MAIL.—All kinds of seeds and most of the supplies can be sent by mail. We pay the postage or express charges on seeds, priced by the packet, ounce or single pound. Seeds ordered in larger amounts will go by express or freight, you to pay the charges, or if wanted by parcel post, remit for postage according to distance. See table.

A REAL BARGAIN IN GARDEN SEEDS

For the benefit of those who do not have the time to make their selection from the catalog we have prepared the following collections to suit the needs for different sized gardens. These are all our regular well filled packets and are real bargains.

COLLECTION NO. 1, \$1.00

Selected especially for the back yard or kitchen garden.

Number 1 Collection consists of the following: $\frac{1}{4}$ lb. Premium Gem Peas, $\frac{1}{4}$ lb. Dwarf Champion Peas, 1 oz. Bloomsdale Spinach, and one full packet of each: Stringless Green Pod Beans, Brittle Wax Beans, Crosby's Egyptian Beet, Early Sunrise Sweet Corn, Early Cluster Cucumber, Chicago Pickle Cucumber, Early Curled Simpson Lettuce, Improved Hanson Lettuce, Golden Globe Onion, Improved Guernsey Parsnip, Chinese Giant Pepper, The Des Moines Squash, Superlative Tomato, Gold Nugget Tomato, White Model Turnip.

Eighteen varieties of best vegetables. Total catalog value \$1.55; all for \$1.00 postpaid. Collection cannot be changed or broken.

COLLECTION NO. 2, \$2.00

For the suburban garden.

$\frac{1}{4}$ lb. Stringless Green Pod Beans, $\frac{1}{4}$ lb. Brittle Wax Beans, 1 oz. Crosby's Egyptian Beet, 1 pkt. Early Jersey Wakefield Cabbage, 1 pkt. Danish Ballhead Cabbage, 1 oz. Oxheart Carrot, 1 pkt. White Plume Celery, 1 pkt. Early Sunrise Sweet Corn, $\frac{1}{4}$ lb. Country Gentleman Sweet Corn, 1 oz. Early Cluster Cucumber, 1 pkt. Chicago Pickle Cucumber, 1 pkt. Improved Yellow Ground Cherry, 1 pkt. Early Curled Simpson Lettuce, 1 pkt. Improved Hanson Lettuce, 1 oz. Grand Rapids Muskmelon, 1 oz. Orange Watermelon, 1 oz. Halbert Honey Watermelon, 1 pkt. Golden Globe Onion, 1 oz. Improved Guernsey Parsnip, $\frac{1}{4}$ lb. Premium Gem Peas, $\frac{1}{4}$ lb. Dwarf Champion Peas, 1 pkt. Chinese Giant Pepper, 1 oz. Yankee Pie Pumpkin, 1 oz. Bloomsdale Spinach, 1 pkt. Des Moines Squash, 1 pkt. True Hubbard Squash, 1 pkt. Superlative Tomato, 1 pkt. Gold Nugget Tomato, 1 pkt. White Model Turnip.

Twenty-nine varieties. Total catalog value \$2.85; postpaid for \$2.

COLLECTION NO. 3, \$3.00

For the farm garden.

$\frac{1}{4}$ lb. Stringless Green Pod Beans, $\frac{1}{4}$ lb. Brittle Wax Beans, 1 oz. Crosby's Egyptian Beet, 1 pkt. Early Jersey Wakefield Cabbage, 1 pkt. Danish Ballhead Cabbage, 1 oz. Oxheart Carrot, 1 pkt. White Plume Celery, $\frac{1}{4}$ lb. Early Sunrise Sweet Corn, $\frac{1}{4}$ lb. Country Gentleman Sweet Corn, 1 oz. Early Cluster Cucumber, 1 oz. Chicago Pickle Cucumber, 1 pkt. Improved Yellow Ground Cherry, 1 oz. Early Curled Simpson Lettuce, 1 oz. Improved Hanson Lettuce, 1 oz. Rocky Ford Muskmelon, 1 oz. Cole's Early Watermelon, 1 oz. Halbert Honey Watermelon, 1 oz. Golden Globe Onion, 1 oz. Improved Guernsey Parsnip, $\frac{1}{4}$ lb. Premium Gem Peas, $\frac{1}{4}$ lb. Dwarf Champion Peas, 1 pkt. Chinese Giant Pepper, 1 oz. Yankee Pie Pumpkin, 1 oz. Bloomsdale Spinach, 1 pkt. The Des Moines Squash, 1 oz. True Hubbard Squash, 1 pkt. Superlative Tomato, 1 pkt. Gold Nugget Tomato, 1 oz. White Model Turnip, 1 pkt. Vine Peach, 1 lb. Onion Sets.

Thirty-one varieties of best vegetables. Catalog value \$4.05, all postpaid for \$3.00.

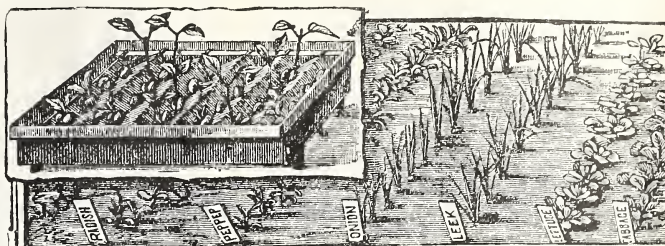
VEGETABLE SEEDS

Our stocks of Garden Seeds we believe cannot be excelled in quality, productiveness, or selection. We watch our growing seed crops carefully to keep them isolated so they will not mix, and that no stray or weak plants are allowed to blossom.

PRICES.—We have made prices in this catalog as low as we consistently could. We offer only the highest quality seeds it is possible for us to grow or obtain, and we make but one price to everyone.

PACKETS.—You will find our packets generously filled. We have made the price 5 cents per packet, where we could give enough seed for the ordinary family garden for that price. For heavy seeds or high cost seed we have had to make the price 10 cents, but we always put in a full 10 cents' worth.

POSTAGE.—Our prices include the payment of the postage by us on packets, ounces, and single pounds. Seeds in larger quantities are priced without postage, you to pay the express or freight charges or to send the amount required for parcel post age according to distance.



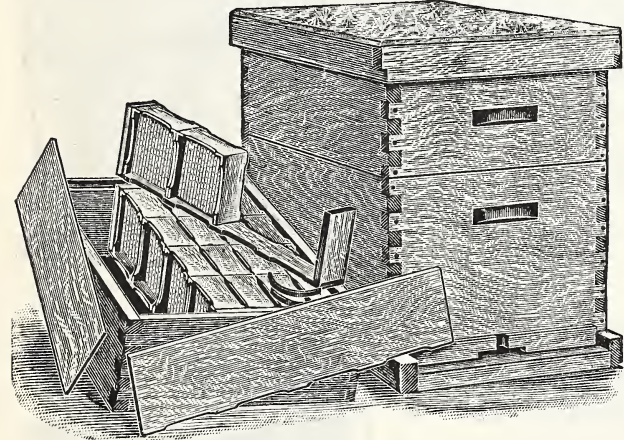
The Garden Seed Department has always had our careful attention and supervision. Stocks purchased from other growers are carefully tested. Where satisfactory stocks cannot be obtained elsewhere they are grown on our Altoona farms. Your orders are always appreciated and carefully and promptly filled.

PARCEL POST RATES

This table is prepared to give the approximate amount necessary to pay the postage to your state. Call up your postmaster. He can give you the exact amount to your post office. Please add postage for one pound additional to cover weight of packing.

IOWA.....	In Zone 2	Rate 1c	per lb.
ALABAMA.....	In Zone 5	Rate 6c	per lb.
ARKANSAS.....	In Zone 4	Rate 4c	per lb.
COLORADO.....	In Zone 4 and 5	Rate 4c and 6c	per lb.
FLORIDA.....	In Zone 6	Rate 8c	per lb.
GEORGIA.....	In Zone 5	Rate 6c	per lb.
ILLINOIS.....	In Zone 3 and 4	Rate 2c and 4c	per lb.
INDIANA.....	In Zone 4	Rate 4c	per lb.
KANSAS.....	In Zone 3 and 4	Rate 2c and 4c	per lb.
KENTUCKY.....	In Zone 4 and 5	Rate 4c and 6c	per lb.
LOUISIANA.....	In Zone 5	Rate 6c	per lb.
MARYLAND.....	In Zone 5	Rate 6c	per lb.
MASSACHUSETTS.....	In Zone 6	Rate 2c	per lb.
MICHIGAN.....	In Zone 4	Rate 4c	per lb.
MINNESOTA.....	In Zone 3	Rate 8c	per lb.

MISSISSIPPI.....	In Zone 4 and 5	Rate 4c and 6c	per lb.
MISSOURI.....	In Zone 3	Rate 2c	per lb.
MONTANA.....	In Zone 5	Rate 6c	per lb.
NEBRASKA.....	In Zone 3	Rate 2c	per lb.
NEW YORK.....	In Zone 5 and 6	Rate 6c and 8c	per lb.
NORTH CAROLINA.....	In Zone 5	Rate 6c	per lb.
NORTH DAKOTA.....	In Zone 4 and 5	Rate 4c and 6c	per lb.
OHIO.....	In Zone 4 and 5	Rate 4c and 6c	per lb.
OKLAHOMA.....	In Zone 4	Rate 4c	per lb.
PENNSYLVANIA.....	In Zone 5	Rate 6c	per lb.
SOUTH CAROLINA.....	In Zone 5	Rate 6c	per lb.
SOUTH DAKOTA.....	In Zone 3 and 4	Rate 2c and 4c	per lb.
TENNESSEE.....	In Zone 4 and 5	Rate 4c and 6c	per lb.
TEXAS.....	In Zone 5 and 6	Rate 6c and 8c	per lb.
VIRGINIA.....	In Zone 5	Rate 6c	per lb.
WASHINGTON.....	In Zone 6 and 7	Rate 8c and 10c	per lb.
WEST VIRGINIA.....	In Zone 5	Rate 6c	per lb.
WISCONSIN.....	In Zone 3 and 4	Rate 2c and 4c	per lb.
WYOMING.....	In Zone 5	Rate 6c	per lb.



BEE SUPPLIES

ROOT QUALITY SUPPLIES

Last season we began the distributing of bee supplies. The first year we handled over two carloads. Nothing but ROOT QUALITY sold. Ask for complete catalog or send list of your needs for quotation.



Germaco
Hotkaps
New Method of
Plant Protection

Order a sample hundred by mail—\$1.25 postpaid. Write for quantity price.

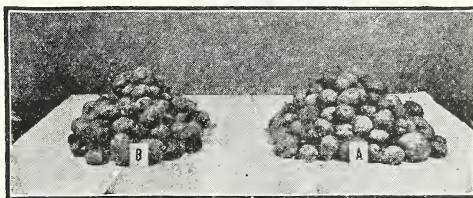


NITRAGIN

Use it on all Clovers, Beans, Peas, Vetches and other Legumes. Nitragin is the original inoculant. None better. Easily applied.

Prices: Garden size, mixed Peas and Beans and Sweet Peas, 25c; 1/2 bu. size, 60c; 1 bu. size, \$1.00; 5 bu. size, \$4.75.

Special for Soybeans and Cow Peas: 1/2 bu. size, 40c; 1 bu. size, 70c; 5 bu. size, \$2.50. All postpaid. Always give crop wanted.



Showing effect of treatment on "Irish Cobblers" 100% Rhizoctonia infected. To left, untreated, 19% clean and 190 bushels to acre. To right, treated, 89% clean and 243 bushels to acre.

USPULUN & BAYER DUST

Uspulun is used with water for soaking all kinds of seed. Kills bacteria and germ diseases on the seed. Used for "damping off" Crown gall, and "brown patch." Ask for booklet giving details.

By express only. Cannot be mailed. 2 oz. tin, 50c; 8 oz., \$1.60; 1 lb., \$2.75; 5 lbs., \$13.00; 25 lbs., \$62.50.

Bayer Dust is used dry and is more easily applied. 2 oz. tin, 25c; 1 lb., \$1.25; 5 lbs., \$5.50.

SEMESAN—Similar to the above. Made by DuPont Company. We have used both and find them a wonderful help. Price same as Uspulun; also Semesan Bel for potatoes and Semesan Jr. for corn. Ask for booklet.

ASPARAGUS

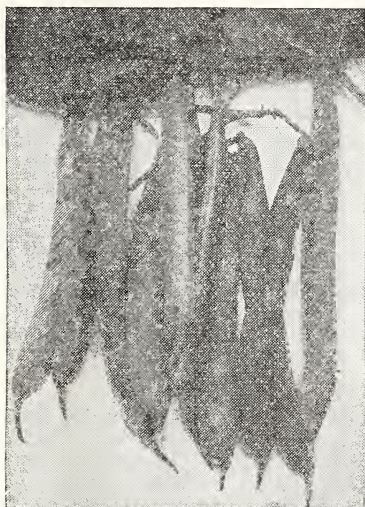
(One ounce will sow forty feet of drill.)

Asparagus is so easily grown, every garden should contain a bed. A bed ten feet square requiring 50 plants, will give abundant supply for an ordinary family. Sow early in spring with rows a foot apart; keep clean by frequent weeding. Circular on "How to Make an Asparagus Bed" free.

WASHINGTON.—The result of careful breeding by the U. S. Department of Agriculture to eliminate rust, which has heretofore proven so disastrous to asparagus crops. It is more nearly rust-proof than any other variety. Pkt. 10c; oz. 25c; ¼ lb. 80c.

CONOVER'S COLOSSAL.—The standard variety. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

BONVALLET'S GIANT.—Differs from the above in color of the young shoots, which are a light green. Strong, vigorous grower. Produces the largest shoots of any variety. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.



STRINGLESS GREEN POD



IMPROVED GOLDEN WAX

Entirely stringless pods of silvery green color. Can be grown with corn to good advantage. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, any quantity at 30c per lb.

LAZY WIFE.—Very much like the above. The ripe beans are white. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, 5 lbs. or more at 30c per lb.

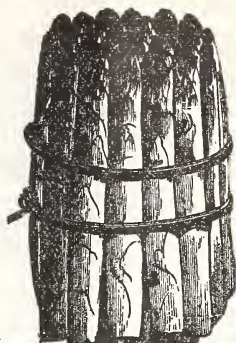
GOLDEN CLUSTER WAX.—The most popular variety of wax pole beans. Pods large, fleshy and stringless. Pkt. 10c; ¼ lb. 20c; lb. 45c. Not prepaid, 35c per lb.

SPECKLED CUT SHORT.—Succeeds better when planted with corn than any other pole bean. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, 5 lbs. or more 30c per lb.

SCARLET RUNNER.—Usually planted for its brilliant scarlet flowers. It is also very prolific and the finest quality for the table. Pkt. 10c; ¼ lb. 20c; lb. 60c.

KING OF THE GARDEN LIMA.—Pods are of enormous size. Pkt. 10c; ¼ lb. 15c; lb. 50c, postpaid. Not prepaid, 5 lbs. or more at 40c per pound.

YARD LONG.—A great curiosity. Pods sometimes over three feet long. Splendid in the green state as pods are tender and of fine flavor. Pkt. 15c; ¼ lb. 50c.



ASPARAGUS

ASPARAGUS ROOTS

Every garden should have a row or bed of asparagus. The reason so many gardens are without it is because of the mistaken idea that asparagus is difficult to plant and care for, when all that is necessary is to set the plants in well plowed or spaded ground one foot apart in 3-foot rows, set the tops or crown 3 inches deep, cultivate well, put on a 3 or 4 inch coat of manure every fall. Do not cut until second year. We have made our prices as low as we could to encourage a wide planting.

Our roots are extra strong, free from rust and are healthy.

CONOVER'S COLOSSAL and BONVALLET'S GIANT.—Strong No. 1 plants. Per doz. 50c; 100 for \$1.50 postpaid. Not postpaid, \$1.00 per 100; \$7.50 per thousand.

WASHINGTON.—Doz. 50c; 100 for \$2.00 postpaid. Not postpaid, \$1.75 per 100; \$12.50 per thousand.

BEANS—Dwarf or Bush Varieties

Our packets contain about two ounces.

STRINGLESS GREEN POD.—The best of the green pod varieties. Pods are long light green, entirely stringless, and of excellent flavor. Very early and prolific and as near perfect as any green pod bean we know. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not postpaid, 5 lbs. or more, 30c per lb.

IMPROVED EARLY VALENTINE.—A standard variety and liked by many. Produces its thick, fleshy pods abundantly. Of fine flavor and matures quickly. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not postpaid, 5 lbs. or more 30c per lb.

IMPROVED GOLDEN WAX.—This is the standard variety. The most popular for either family or market garden. Pods are large, clear, waxy yellow and free from rust. Entirely stringless. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not postpaid, 5 lbs. or more 30c per lb.

CHALLENGE BLACK WAX.—An old favorite and still preferred by many. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, 5 lbs. or more 30c per lb.

BRITTLE WAX.—This is the best of the new varieties of wax beans. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, 5 lbs. or more 30c per lb.

BURPEE'S BUSH LIMA.—A dwarf or bush form of the true large Lima which is of great value. They grow from 18 to 20 inches high, of stout, erect growth, yet branching and vigorous. An immense yielder. Does not always mature this far north, but makes excellent green shelled beans. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, any quantity at 30c per pound.

HENDERSON'S BUSH LIMA.—A true bush Lima and sure to ripen its enormous crop. Beans grow to good size, and are excellent either green, or shelled dry. Produces a continuous crop from the middle of July until frost. Enormously productive. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, 5 lbs. or more 30c per lb.

IMPROVED NAVY, or Boston Pea.—This is the improved type of the navy bean which is grown for use as shell beans in winter. Our stock is especially saved for seed purposes and is superior to any bought in open market. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, per lb. 25c; 10 lbs. or more at 20c per lb.

POLE BEANS

These require support of some kind. Woven wire fencing makes an excellent substitute for bean poles. Sometimes planted with corn with good results.

OLD HOMESTEAD.—Is also known as Improved Kentucky Wonder. Enormously productive, pods hanging in great clusters from top to bottom of the pole. Can be grown with corn to good advantage. Pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, per lb. 25c; 10 lbs. or more at 20c per lb.



OLD HOMESTEAD

TABLE BEETS

One ounce sows 50 feet of drill; 4 to 6 lbs. for one acre.

For early, sow as soon as ground can be worked, and from the middle of May for general crop, in drills 15 inches apart and 1½ inches deep. As the plants grow, thin to 6 inches in drills. Young plants make excellent greens. The soil should be rich. Hoe often, taking care not to bruise the roots.

CROSBY'S IMPROVED EGYPTIAN.—The earliest variety. Regular in shape, smooth with small tops and small tap root. Being a rapid grower it may be sown outside as late as the first of August. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

DETROIT DARK RED.—One of the best varieties grown for main crop. Its roots are round, very smooth, of good marketable size, and for table use is unexcelled. Deep blood red; flesh sweet and tender. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.25.

MARKET GARDENERS.—If you plant but one kind of beet, plant this one. It is early, beautiful oval in shape, rich crimson color and excellent quality. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.50.

GOLDEN GLOBE.—Bright yellow. When cut up in a dish with red beets, they make a handsome contrast. Mature early and are sweet and nice. Pkt. 10c; oz. 20c.

GIANT LUCULLUS CHARD.—Is growing in popularity. Leaves are beautifully curved, and of a soft, clean shade of green. The thick, broad stalks are as large as rhubarb. Prepared the same as asparagus or leaves and stalks used as "greens." Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.25.



BEETS

MANGEL OR STOCK BEETS

MAMMOTH GOLDEN GIANT.—The largest of yellow flesh mangels. Grows more than half above ground. Remarkably even in shape. Flesh firm and sweet. It is a most excellent keeper. Oz. 10c; ¼ lb. 25c; lb. 60c postpaid. Not prepaid, 5 lbs. or more at 50c per lb.

GIANT SLUDSTROP.—A variety of exceptionally even growth. Color is reddish yellow; excellent in shape. Contains more sugar, grows larger and is easy to harvest. It is the best of all mangels for feeding purposes. Per oz. 10c; ¼ lb. 25c; lb. 60c. Not prepaid, 5 lbs. or more at 50c per lb.

MAMMOTH LONG RED.—Unexcelled for yielding qualities. Grows to a very large size. Very uniform, smooth and of good shape. Per oz. 10c; ¼ lb. 25c; lb. 55c. Not prepaid, 5 lbs. or more at 45c per lb.

GIANT HALF SUGAR MANGEL.—A hybrid or cross between the Mangel and Sugar Beet. As heavy a yielder as the mangels and equally as smooth. Per oz. 10c; ¼ lb. 25c; lb. 60c. Not prepaid, 5 lbs. or more at 50c per lb.

GOLDEN TANKARD.—Of a rich deep yellow throughout. Early, hardy, a heavy cropper. Oz. 10c; ¼ lb. 15c; lb. 50c. Not prepaid, 5 lbs. or more at 40c per lb.

KLEIN-WANZLEBEN.—Our seed is from beets which were tested as to per cent of sugar before setting out. The sugar makes it of great value for feeding. Per oz. 10c; ¼ lb. 20c; lb. 70c. Not prepaid, 5 lbs. or more at 60c per lb.

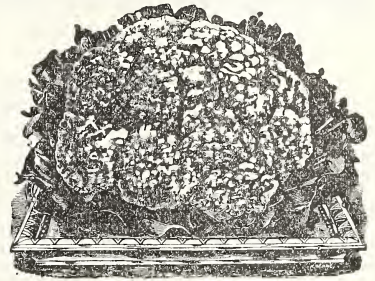
CAULIFLOWER

One ounce will produce about 3,000 plants.

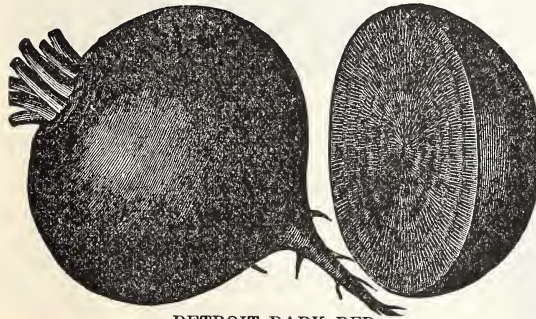
One of the most delicious of vegetables. Requires similar treatment to cabbage. Does not head well during the hottest weather in summer. Sow the seed early for an early crop and again in June or July for late heads. Our cauliflower seed is grown in Denmark and is the best produced anywhere.

HENDERSON'S EARLY SNOW-BALL.—Considered the earliest and more certain to make a head than any other sort. Pkt. 20c; ¼ oz. 60c; oz. \$2.00.

DANISH GIANT, or Dry Weather Cauliflower.—Heads are extra large.



CAULIFLOWER



DETROIT DARK RED

pure white and very solid. Has large leaves which protect the head. Does better in dry seasons than other sorts. Pkt. 20c; ¼ oz. 60c; oz. \$2.00.

BRUSSELS SPROUTS

Of the cabbage family, producing numerous heads along the stem, of most delicious quality. Use and cultivate like winter cabbage.

AMERICAN MAMMOTH.—Greatly superior variety of American origin. Pkt. 10c; oz. 35c; ¼ lb. \$1.00.



BRUSSELS SPROUTS

CHERVIL

Leaves used in soups and salads. Have a pleasant aromatic taste greatly liked. Cultivate like parsley. Pkt. 10c; oz. 25c.

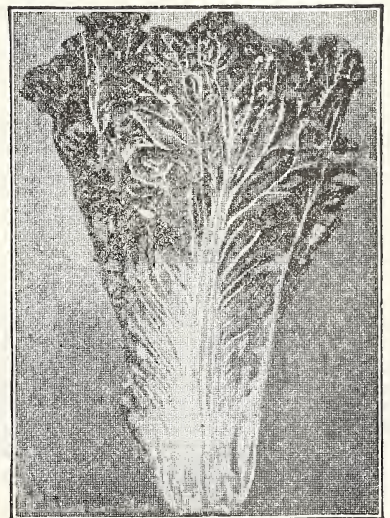
CHINESE CABBAGE, or Pe Tsai

Sometimes called Celery Cabbage

This is the finest thing we have ever had from the Orient. Sow some early, like Early Cabbage. Sow every month until the first of August. Everyone likes it. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

CHIVES

Perfectly hardy little perennials of the onion tribe, and are grown entirely for their tops, which are used wherever flavor of onion is required. Plant in any common garden soil and they will grow readily. The tops appear very early in spring and can be shorn throughout the season. They are also beautiful as a flowering plant with their pink, clover-like flowers. Difficult to grow from seed; we therefore offer them in plants only. 15c per bunch; 3 bunches 40c; dozen \$1.00 postpaid.



CHINESE CABBAGE

CABBAGE

One ounce will produce about 3,000 plants. Takes 8,000 to 10,000 plants per acre, of early sorts, and 6,000 of large, late kinds.

No vegetable is of greater importance than cabbage. It does not pay, therefore, to take any risk in buying seed. We pride ourselves on having the purest and highest grade of cabbage seed that is offered. Sow early sorts in hotbeds about six weeks before time to set out the plants in the field or garden. Transplant to rows three feet apart. Our packets contain about 800 seeds. Gardite, Slug Shot and Tobacco Dust will kill insects and worms.

EARLIEST OF ALL.—A new sort like Copenhagen, but smaller and earlier. Brings highest market price. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00.

EXTRA EARLY EXPRESS.—The earliest variety in existence and produces heads before the Jersey Wakefield or other varieties. Heads solid, have few outside leaves, and can therefore be planted very close. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 90c; lb. \$3.00.



EARLY JERSEY WAKEFIELD

CELERY

One ounce will produce about 6,000 plants.

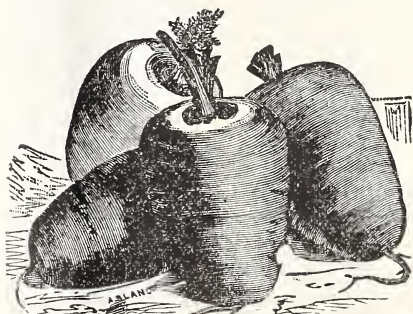
Sow seed in hotbed or house for early plants. Seed for winter celery should be sown in April or early in May and set out in rows 3 feet apart and 10 inches apart in the row. Cultivate often. There are various ways to blanch. A 4-inch drain tile slipped over each plant works fine.

WHITE PLUME.—Stalks, portions of the inner leaves and heart naturally white, and become fit for use by simply tying up closely with twine. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.00.

GOLDEN SELF-BLANCHING.—By far the most popular sort; of medium earliness, compact habit, with thick, solid stalks which blanch easily to a clear waxen yellow. French Grown Seed—Pkt. 15c; oz. \$1.00; $\frac{1}{4}$ lb. \$3.00; lb. \$10.00. American Grown Seed—Pkt. 10c; oz. 60c; $\frac{1}{4}$ lb. \$1.50; lb. \$5.00.

GIANT PASCHAL.—A late variety of superior keeping qualities. Very large, solid and crisp, a rich nutty flavor. Blanches easily. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

GIANT PRAGUE CELERIA.—Instead of producing long leaf stalks like ordinary celery, it has a turnip-like root with true celery flavor. Used in soups, stews and for all culinary purposes in place of celery. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 90c; lb. \$3.00.



OXHEART CARROT

PREMIUM FLAT DUTCH.—This old and well-known variety is still a standard winter cabbage. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

IOWA SEED COMPANY'S SHORT STEM DRUMHEAD.—For sureness in heading, regularity of growth and even, large, solid heads, it far surpasses any other strain of late cabbage. It ripens evenly, with very short stem or stock, and large, thick heads. Silky fine quality. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 90c; lb. \$3.00.

PERFECTION DRUMHEAD SAVOY.—Has curled and crumpled leaves and is of finer flavor than ordinary cabbage. For salads and kraut the Savoy will give a richer flavor than common kinds. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.00.

MAMMOTH RED ROCK.—Is the largest of the red cabbage. Solid, heavy and a good keeper. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.00.



FROST PROOF CABBAGE PLANTS



DANISH BALLHEAD

SUREHEAD.—Makes a fine large, solid head with few outer leaves. Ripens a little earlier than Premium Flat Dutch. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 75c.

YELLOW RESISTANT.—A variety of Hollander cabbage bred for resistance to the yellows disease. This strain should not be used except on ground where yellows is found. If the ground is "sick" you can still grow a crop by using this seed. Packet 15c; oz. 75c. Ask for quantity price.

FROST PROOF CABBAGE PLANTS

Grown from fall planted seed, in the South. Produced in open fields, in winter, so that they grow slowly and become hardened to cold and slight frost. Can be set out in spring much earlier than hotbed or greenhouse plants. Mailed direct from the growers to you. Will reach you at proper time for planting. Order any of the following early varieties: Charleston Wakefield, Early Jersey Wakefield, Early Flat Dutch, Copenhagen Market. 60c per 100; \$2.00 for 500; \$3.75 per 1,000, postpaid.

CARROTS

One ounce for 100 feet of drill. Three or four pounds for one acre.

A nutritious, succulent food in the winter for cattle, horses, sheep and pigs. For early, sow in the spring as soon as ground can be worked, in drills fourteen inches apart, covering one-half inch. Thin plants to three or four inches apart in row. For field culture, sow seed from middle of April to first of June.

EARLY SCARLET HORN.—Favorite extra early variety. Top small, short, stump-shaped root. Grows well in any soil. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c.

OXHEART, or Guerande.—This is the standard garden carrot. Outyields all others. Easy to pull. Best quality. Good keeper. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

DANVERS.—Standard half-long variety. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

CHANTENAY.—Another good garden carrot. Is longer than the Oxheart, not so easy to pull. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

VICTORIA.—Largest carrot grown. Used for stock feeding. Roots very large. Large, light orange. Grows partly out of ground, making it easy to harvest. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.

SWEET CORN

Plant as soon as the ground becomes warm in the spring, in hills about three feet apart; give thorough cultivation. Our sweet corn is carefully grown and selected, only the choicest, most perfect ears being selected for seed.

EARLY SUNRISE.—Is a splendid new variety which we originated. It is undoubtedly the best extra early corn for either private gardens or market. The ears are larger than Golden Bantam and a few days earlier. This would be enough to make it very desirable, but it is also the sweetest of all early kinds, not having the peculiar flavor of Golden Bantam which is objectionable to some people. Gardeners when selling it on the market call it the white Bantam. Pkt 10c; $\frac{1}{4}$ lb. 15c; lb. 30c postpaid. Not prepaid, 5 lbs. or more at 25c lb.

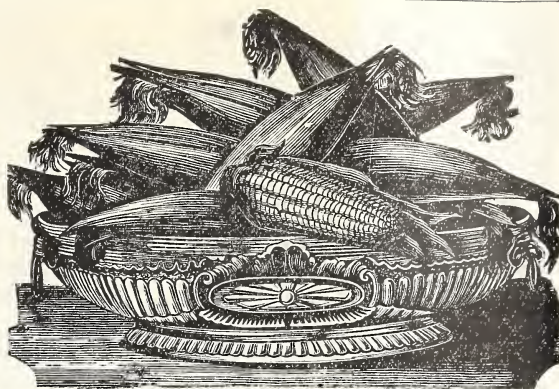
IMPROVED GOLDEN BANTAM.—A well known and quite popular seed corn about 4 feet high. Well shaped ears which are golden yellow when ripe. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 30c. Not prepaid, 5 lbs. or more at 25c lb.

CHAMPION EARLY.—Earliest large corn ever introduced, maturing only a few days later than the small eared sorts and producing large 12-rowed ears 8 to 10 inches long. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 35c. Not prepaid, 5 lbs. or more at 30c lb.

PHARAOH'S DREAM.—The most productive variety of sweet corn ever produced. Has two to four large, well filled ears on the stalk. A few days earlier than Stowell's Evergreen. In quality and flavor it is simply delicious. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 35c. Not prepaid, 5 lbs. or more at 25c per lb.

COUNTRY GENTLEMAN.—Considered to be the highest quality corn. Very prolific; ears good size. Pure white, very deep grained and sweet. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 40c. Not prepaid, 5 lbs. or more at 30c per lb.

IMPROVED STOWELL'S EVERGREEN.—The standard late sweet corn. Always satisfactory. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 40c. Not prepaid, 5 lbs. or more at 25c per lb.



EARLY SUNRISE SWEET CORN

POP CORN

AUSTRALIAN HULLESS.—The only pop corn worth while raising. Of highest quality, the best yielder and best seller. Our stock of this variety is pure. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 30c. Not prepaid, 20c per lb.

QUEEN'S GOLDEN.—A golden yellow variety. Long ears. Looks rich when popped. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 30c. Not prepaid, 20c per lb.

CUCUMBER

One ounce plants 50 hills, two lbs. one acre.

Cucumbers succeed best in a rich soil. When danger of frost is over, plant in hills four feet apart each way. For pickling, plant seed first week in July. Use air-slaked lime or slug shot for bugs.

EARLY CLUSTER.—A very desirable early variety. Prolific, good size and fine quality. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

PERFECT WHITE SPINE.—This improved strain is pronounced superior to all others. Fruit even, good size, straight, well formed and symmetrical. Color dark green when small, pure white when fully ripened. Immensely productive. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

IMPROVED CHICAGO PICKLE.—Medium in size, dark green in color. Originated by a pickle grower near Chicago. Considered the best variety for pickles. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

DAVIS PERFECT.—Everyone who sees the crop says they never saw anything to equal it. Dark, glossy, green, slim and symmetrical with an average length of 10 to 12 inches. Has no superior for pickles. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.25.

IMPROVED LONG GREEN.—A well known standard variety. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.75.

JAPANESE CLIMBING.—Will cling to fences or other support. Fine for limited space. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 70c.

WHITE WONDER.—A large, long-fruited variety of beautiful ivory white color. Quality is really superior, being crisp and tender and entirely free from any bitter taste. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c.

LEMON.—It is round and about the size of a baseball. Have flavor peculiarly their own. Superior to any, being crisp and tender and having none of the bitter taste. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.00.

WEST INDIA GHERKIN, or Burr.—This is a very small variety of cucumber which makes a handsome pickle. When ready it is about as large as an English walnut, partly covered with spines. Pkt. 10c; oz. 40c.

CRESS

TRUE WATER.—Sow seeds along the running water. Pkt. 10c.

UPLAND CRESS.—Perennial; hardy; produces well. Same flavor as Water Cress. Grows on high, dry land; does not seed soon. Pkt. 10c; oz. \$1.00.

CHUFAS

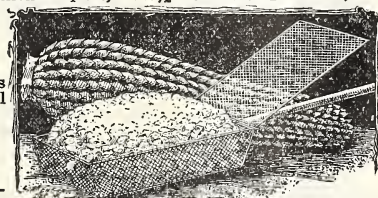
A nice little ground nut greatly liked by children. In flavor resembles the cocoa-nut. Very prolific. Plant in April 10 inches apart, in $2\frac{1}{2}$ -ft. rows. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c.

COTTON

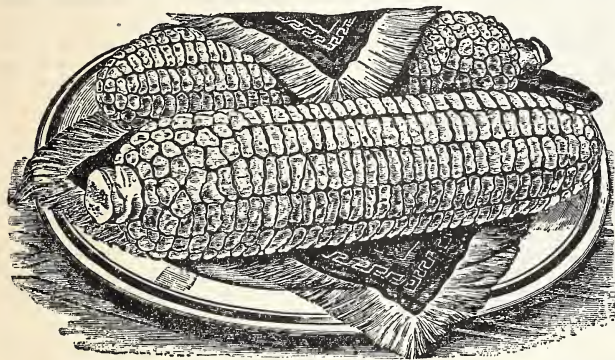
Start seed early and transplant. Has large, showy flowers, followed by ball of white cotton. Pkt. 5c; oz. 10c.

CORN SALAD

Nice winter salad. Sow in September in drills. Cover in fall with straw or leaves. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c.



POP CORN



PHARAOH'S DREAM

CHICORY

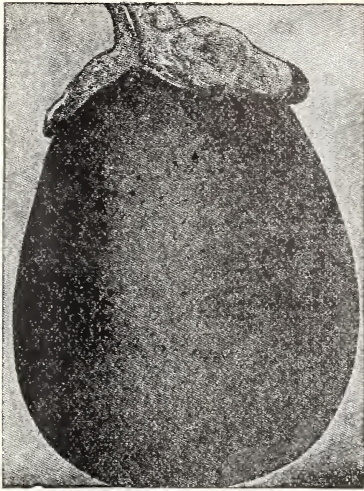
LARGE ROOTED.—Used as a substitute for coffee. Cultivated the same as carrots. When wanted for use it is roasted and ground like coffee. Pkt. 10c; oz. 25c.

COLLARDS

Collards are very largely used for "greens" in some parts of the country, especially in the South. They are a form of loose-headed cabbage. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c.



EARLY CLUSTER CUCUMBER



NEW YORK

LETTUCE

One ounce will sow 100 feet of drill.

Lettuce may be sown very thinly any time from early spring until the middle of August. The soil should be very rich. Lettuce may be transplanted like cabbage. Set the plants a foot apart in rows two feet wide. Cultivate often and you will be pleased with results.

EARLY CURLED SIMPSON.—The best known variety of garden lettuce. Beautiful light green, curled leaves. Can be sown from early spring to August. Always good. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

IMPROVED HANSON.—As a head lettuce the Hanson has no superior. Makes the most solid heads and is the surest to head of all lettuces. Stands heat well when grown outdoors and does well in hot-bed or greenhouse. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

BLACK SEEDED SIMPSON.—This is the standard variety with market growers who grow lettuce under glass or in frames. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

GRAND RAPIDS.—Claimed to be an improvement on the Black Seeded Simpson as a frame lettuce. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

NEW YORK.—A new sort producing immense heads, often 15 or 16 inches across. The interior is beautifully blanched, creamy white, crisp, tender and delicious. A sure header under most trying conditions. Pkt. 10c; oz. 30c; ¼ lb. 90c; lb. \$3.25.

PRIZE HEAD.—Heads large and rather loose, with very good flavor. Leaves edged with reddish brown. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

CALIFORNIA CREAM BUTTER.—A cabbage lettuce with round, solid head. Within, leaves are very rich cream yellow color. Rich and buttery to the taste. Heads good size and compact. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

MIXED LETTUCE.—A mixture of all the varieties listed. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

EGG PLANT

A tender plant that should be started quite early in a hotbed or box in the house, which must be kept warm. Transplant late to open ground, two feet apart.

IMPROVED NEW YORK.—Our strain of this leading market variety we believe to be unsurpassed. Very large size, skin deep purple, flesh white, of excellent quality. Very productive. Pkt. 10c; oz. 60c; ¼ lb. \$2.00.

ENDIVE

One ounce will sow about 60 square feet. One of the best and most wholesome salads for fall and winter. Sow in April for early; in June or July for winter.

GIANT FRINGED.—Also called winter lettuce. Best of all. Strong, vigorous grower, making large white heart. Leaves are beautifully curled. Pkt. 5c; oz. 20c; ¼ lb. 50c.

GROUND CHERRY

IMPROVED YELLOW.—Ground cherries are a most excellent garden fruit. They have a delicious flavor of their own. Pkt. 10c; ½ oz. 25c.

LARGE PURPLE.—We can also furnish the old time purple ground cherry. Fruits are much larger than the yellow but not so rich in quality. Pkt. 10c; ½ oz. 25c.

**GARDEN HUCKLEBERRY**

Wonderfully productive and much easier to prepare than Wonderberry or Ground Cherry. Grows about three feet high and just loaded with clusters of berries, which are jet black when ripe. Make delicious pies, preserves and jams. Directions for cooking with each packet. Not edible when raw. Pkt. 10c; oz. \$1.00; ¼ lb. \$2.50.

GOURDS

Cultivate like cucumbers. They may be trained over lattice work, fences, etc.

JAPANESE NEST EGG.—Grows almost uniformly to the size, color and shape of a hen's egg. The shells are hard and make the very best nest eggs. Pkt. 5c; oz. 25c.

DIPPER.—Makes a light, convenient dipper. Pkt. 5c; oz. 25c.

SUGAR TROUGH.—Very large and strong grower. Pkt. 5c; oz. 25c.

LUFFA, or Dishcloth.—Has a peculiar lining, making a natural dishcloth or sponge. Pkt. 5c; oz. 25c.

HERCULES' CLUB.—Grows to immense size—4 to 5 feet in length. Flesh is edible when green. Sold by some as Tasmanian Bean. Pkt. 5c; oz. 25c.

MIXED UTILITY.—Seeds of the above, mixed. Pkt. 5c; oz. 20c.

KALE

EXTRA CURLED MOSSBACK.—A most attractive variety; fine crimped leaves. Pkt., 10c; oz. 20c; ¼ lb. 45c; lb. \$1.50.

KOHL RABI

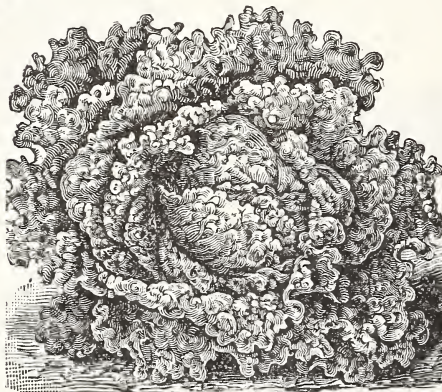
Most excellent vegetable, intermediate between the cabbage and turnip. Cultivate like cabbage.

GOLIATH PURPLE.—Of immense size. Pkt. 5c; oz. 25c; ¼ lb. 85c.

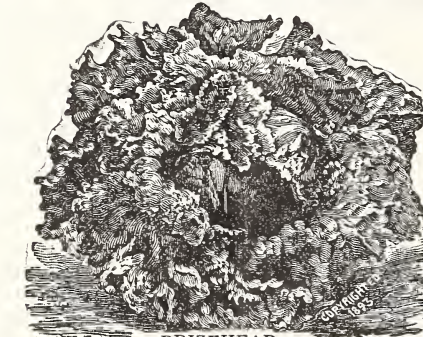
EARLY WHITE VIENNA.—The flesh is white and tender. Pkt. 5c; oz. 25c; ¼ lb. 85c.

LEEK

LARGE ROUEN.—Largest and most uniform sort. Pkt. 10c; oz. 25c; ¼ lb. 65c; lb. \$2.00.



GRAND RAPIDS



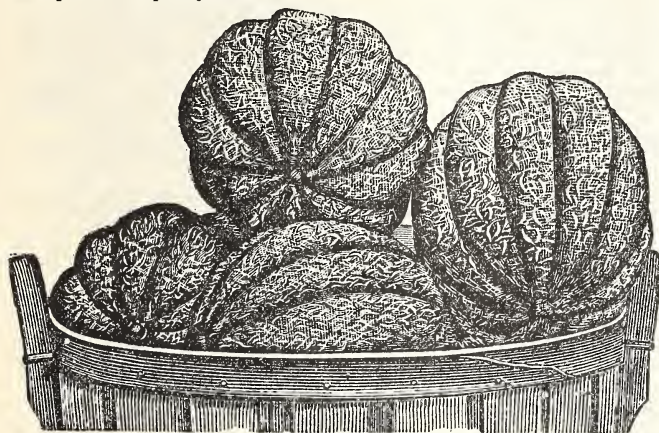
PRIZEHEAD



MUSKMELON

One ounce will plant about 80 hills, 2 lbs. to the acre.

Muskmelons require a rich, well-drained soil. Plant as early as safe from frost. Cultivate until vines cover the ground. Plant in hills 4 to 6 feet apart. Use plenty of seed.



IMPROVED GREEN NUTMEG

EMERALD GEM.—Finest in flavor and the earliest to ripen. Too soft to stand shipping any great distance. Unequaled for home use or nearby markets. Very prolific. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

BURRELL GEM.—A truly delicious melon about the size and shape of Rocky Ford, but has rich golden yellow flesh of most delicious flavor. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

THOROUGHbred ROCKY FORD.—This is the melon that made Rocky Ford famous. Flesh thick, of light green color and fine, juicy, luscious flavor. Very early and wonderfully productive. Our seed is from the best melon grower at Rocky Ford. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

GRAND RAPIDS.—A standard variety. Large melon. Yellow when ripe; orange flesh. Very early. Pkt. 5c; oz. 20c; ¼ lb. 40c; lb. \$1.25.

IMPROVED GREEN NUTMEG.—The best of the green fleshed sorts. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

OSAGE.—Flesh salmon color, sweet and spicy, very thick and delicious. Medium size oval. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. \$1.50.

ENORMOUS.—Grows to immense size. Has been grown upward of 15 lbs. in weight. Flesh very thick, salmon colored and of better flavor than any other large melon. Pkt. 10c; oz. 25c.

BANANA.—Attain a length of from 1½ to 3 feet; 3 to 4 inches thick. Has a pleasing flavor, peculiar to itself. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.40.

CASABA, or Winter Melon

HONEY DEW.—Flesh is light green and sweet as honey. The rind is straw yellow in color, smooth as an egg and hard. Keeps good for months in a cool place. Pkt. 10c; oz. 25c; ¼ lb. 65c.

WATERMELON

One ounce is required for forty hills. Three pounds will plant an acre.

GOLDEN SWEET.—The Golden Sweet is a most delicious and fine flavored melon, unsurpassed for sweetness. Skin is dark green. Shape oblong, averages about 20 lbs. Rind very thin but hard and will carry without cracking. Flesh old gold yellow. When cut it presents a rich, attractive appearance. This is without exception the highest quality watermelon in the list, and this is true of every melon in the field. We have never yet found a poor melon. Pkt. 10c; oz. 20c; ¼ lb. 50c.

COLE'S EARLY.—Very early and will mature farther north than most sorts. Of medium size; very attractive. Flesh bright red. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

PEERLESS, or Ice Cream.—Very early, medium size, thin rind, flesh bright scarlet. Great home market melon. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

MONTE CRISTO, or Kleckley's Sweet.—A wonderful popular variety. We do not hesitate to pronounce this one of the sweetest, juiciest, most delicious melons. Flesh bright red, rich, crisp and pleasant flavored. It ripens early, is of good size. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

ORANGE.—A new variety. Bright red flesh. Medium late. Peels like an orange. Not extra sweet but good quality and never a poor one in the field. You should try the Orange melon. Pkt. 15c; oz. 30c; ¼ lb. \$1.00.

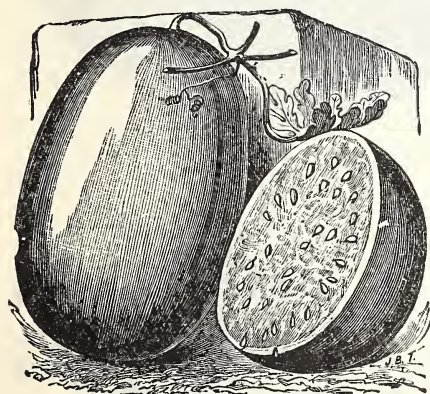
TOM WATSON.—The leading market melon. You seldom see any other variety offered. Hardy, good quality, good shape, large size and always solid. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

SWEETHEART.—A large round melon with a light colored rind. Splendid quality. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

HALBERT HONEY.—Has no equal as a home or nearby market melon but will not stand much handling. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.25.

IRISH GREY.—New variety best described as light rind Tom Watson. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.25.

MIXED WATER MELON.—As the seasons vary, some varieties of melons do better than others. By planting mixed watermelons, you get a good crop every year. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.



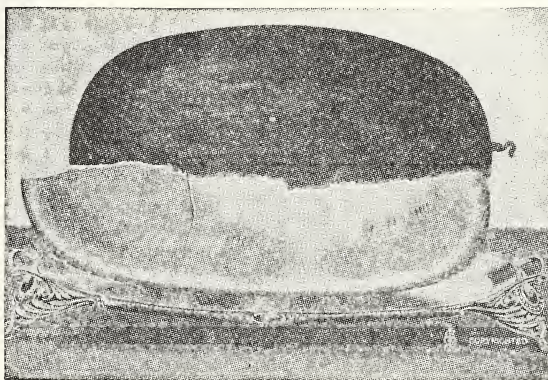
CITRON MELON

CITRON MELONS

Better than melon rinds for preserving.

APPLE PIE.—The flesh is white, solid throughout and of excellent quality for making pies, preserves, etc., and resembles apples in flavor. They keep nice and fresh all winter, and any surplus can be fed to the live stock. Pkt. 10c; oz. 25c.

RED SEEDED CITRON.—Is round, dark green, striped and mottled with light green. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.



GOLDEN SWEET MELON

MUSTARD

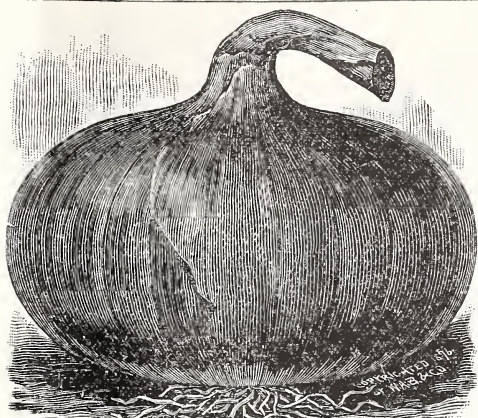
OSTRICH PLUME.—Its leaves are long, ruffled, frilled and curved gracefully as ostrich plumes. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

SOUTHERN GIANT CURLED.—This is the true curled leaf variety so popular in the South for fall planting for early spring salad. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

WHITE ENGLISH.—Its seed used for culinary purposes. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

VINE PEACH

A splendid novelty, introduced by us. The fruit is about the size of a large peach, oval shaped, and is of a bright orange yellow color. For sweet pickles, pies or preserving they are superb. A jar of these cut in halves and cooked in syrup presents a beautiful and tempting appearance. Recipes for preparing for the table will be sent with each order. Pkt. 10c; oz. 25c; ¼ lb. 60c.



LARGE RED WETHERSFIELD

ONION SETS

BOTTOM ONION SETS.—Produce the best quality of young green onions. Somewhat later than winter sets but much milder in flavor.

WHITE BOTTOM SETS.—35c per lb.; 3 lbs. for \$1.00, postpaid. Not postpaid, bu. \$4.50.

RED BOTTOM SETS.—35c per lb.; 3 lbs. for \$1.00, postpaid. Not postpaid, bu. \$4.25.

YELLOW BOTTOM SETS.—35c per lb.; 3 lbs. for \$1.00, postpaid. Not postpaid, bu. \$4.25.

Ask for price in quantity.

POTATO ONION SETS.—A species of Multiplier onion, increasing from bulb. ½ lb. 20c; lb. 40c; 3 lbs., \$1.10, postpaid.

PERENNIAL, or Winter Sets.—Shipment after August 1st. Also called Egyptian or Tree Onions. Usually set in fall. Produce earliest spring onions. Do not make large bulbs. 30c per lb.; 3 lbs. 85c, postpaid.

BOTTOM ONION SETS

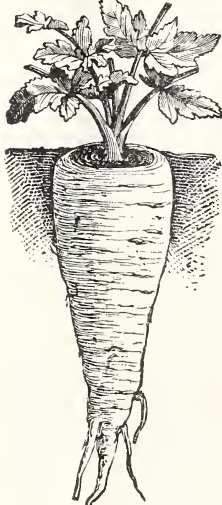


POTATO ONION SETS



OKRA

EARLY PROLIFIC.—The earliest and most prolific. Just the sort for the North. The numerous pods are thick fleshed and keep coming until frost. Pkt. 10c; oz. 15c; ¼ lb. 40c.



WHITE VELVET.—Pods are round and smooth, of attractive appearance. Plants dwarf. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

PARSNIP

One ounce will sow 200 feet of drill. Five pounds will sow an acre in drills.

Sow early in spring in good, rich soil, which has been plowed deep, in drills 14 inches apart, covering half an inch. Thin to 5 or 6 inches apart in rows. They are improved by freezing.

IMPROVED GUERNSEY.

—A greatly improved and wonderfully fine strain of the Guernsey Parsnip. The roots are smooth, fine-grained and will cook as quick as potatoes. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

HOLLOW CROWN.—An old standard and still good. Pkt. 5c; oz. 15c; ¼ lb. 50c.

IDEAL WEEDER
25c each, postpaid.

PARSLEY

One ounce will sow 150 feet of drill.

Sow early, thinly, in drills 1 ft. apart, ½ inch deep. For winter use, protect in glass frame or light cellar.

MARKET GARDENER'S.—An extra choice stock with dark green curled, mossy leaves, very productive. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$1.25.

CHAMPION MOSS CURLED.—Very select stock, finely crimped and curled. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

HAMBURG.—Turnip-rooted variety, used for flavoring soups. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$1.25.

PEANUTS

EARLY SPANISH.—This variety can be grown and will ripen in Iowa. The nuts are not quite as large as southern varieties but are very prolific. Cultivate thoroughly until they begin to blossom, then let them alone. Dig after frost. Pkt. 10c; lb. 40c; 3 lbs. \$1.00, postpaid.

ONIONS

Good onion seed is of the utmost importance as it is one of the most important crops grown. There is more money in onions grown from seed than almost any other crop. Fully realizing this, we have for many years made a specialty of onion seed which is all grown from choice, selected bulbs, critically examined before being set out for seed.

Our onion seed is American grown and we are sure no better onion seed is produced. You need not sow thick to be sure of a stand when you use our onion seed. We appreciate the anxiety on the part of the onion grower about the quality of the seed and we will not disappoint you.

EXTRA EARLY BARLETTA.—The very earliest onion in cultivation. They are of a pure white color, and in size grow 1 to 1½ inches in diameter. For table use and pickling it is most valuable. Pkt. 10c; oz. 40c; ¼ lb. \$1.20.

LARGE WHITE GLOBE.—Market variety. Beautiful, clean, pure white bulbs. Large, even size, globe shape. Undoubtedly the best white sort. Pkt. 10c; oz. 40c; ¼ lb. \$1.20; lb. \$4.00.

MAMMOTH SILVER KING.—The largest pure white onion, no other approaching its mammoth size. Slightly flattened but thick through. Often weighs over 2 lbs. Pkt. 10c; oz. 30c; ¼ lb. 90c; lb. \$3.00.

GOLDEN GLOBE.—Offered by us as the very best yellow, globe-shaped onion for general culture. Always uniform in shape, size and color. Pkt. 10c; oz. 30c; ¼ lb. 90c; lb. \$2.85.

MAMMOTH PRIZETAKER.—One of the largest and handsomest of yellow onions, of a clear, bright straw-color and uniform perfect globe shape. Produces enormous crops. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.25.

LARGE RED WETHERSFIELD.—Is the standard sort throughout the country, the easiest to grow and the surest to make a good crop. Of finest form, skin deep purplish red. The flesh is finely grained. Our seed is extra select and cannot be excelled. Pkt. 10c; oz. 30c; ¼ lb. 90c; lb. \$3.

SOUTHPORT RED GLOBE.—This is a very handsome variety and it grows to a large size. Skin deep red, flesh fine grained, mild and tender. It is steadily increasing in popularity as the market is demanding globe-shaped onions more than formerly. Pkt. 10c; oz. 30c; ¼ lb. 90c; lb. \$3.00.



SOUTHPORT RED GLOBE





One ounce will produce about 1,800 plants. Sow seed in hotbed early in spring; transplant to open ground when weather is favorable. Seeds germinate slowly. Require considerable heat.

CORAL BOUQUET.—Very small, bright red, and very hot. Pkt. 10c; oz. 75c.

RED CHILI.—Small, long fruit but very hot. Used for pepper sauce. Pkt. 10c; oz. 50c.

SUNNYBROOK.—This is in every respect the best of the pimiento class of sweet peppers. In shape it is almost a globe, somewhat dented at the stem. A bright red in color, about 2½ inches in diameter and is the thickest fleshed pepper we have yet seen. Very sweet, of excellent flavor and not a trace of pungency. Plants grow nearly two feet high, well branched and heavily laden with fruits. Pkt. 10c; oz. 75c.

PIMENTO.—A new and distinct pepper. Perfectly sweet. Does not ripen this far north. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

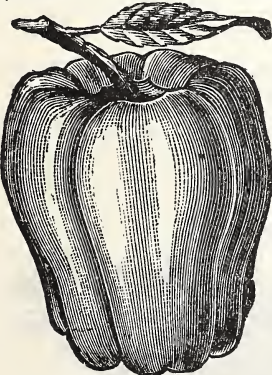
CHINESE GIANT.—Most gigantic of all giant peppers. A fine, mild pepper of enormous size, and brilliant glossy scarlet color. Pkt. 10c; oz. 60c; ¼ lb. \$2.00.

RUBY KING.—The standard variety for mangoes or sweet pickles. Fruits large, uniform, thick meat and smooth. Very pleasant, mild flavor. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

MAMMOTH GOLDEN QUEEN.—Similar to red mango peppers. When ripe the color is a bright, waxy, golden yellow and mild flavor. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

KALEIDOSCOPE.—A very ornamental sort. The small fruit changes from cream color to a deep, shining scarlet. Pkt. 10c; oz. 75c.

MIXED PEPPERS.—A mixture of the above and other fancy varieties. Fine for exhibition. Pkt. 10c; oz. 50c.



CHINESE GIANT

PEAS

One pound will plant about fifty feet of drill.

May be sown as early as the ground can be worked and for a succession every two weeks up to July; or, what is better, select several kinds which will form a succession in maturing.

ALASKA.—Height 2 feet. The pods are rather small, dark green color, well filled. The earliest pea known, being earlier than Pedigree Extra Early. 2 oz. pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, 5 lbs. or more at 30c per lb.

PEDIGREE EXTRA EARLY.—After a trial of all extra early varieties we have not found one possessing more merit. Height 18 inches. 2 oz. pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, 5 lbs. or more at 30c per lb.

LITTLE MARVEL.—Strong vine about 15 inches high. As early as American Wonder. More productive. 2 oz. pkt. 10c; ¼ lb. 15c; lb. 45c postpaid. Not prepaid, 5 lbs. or more at 35c per lb.

AMERICAN WONDER.—Popular extra early variety for family garden. Produces a profusion of good-sized, well-filled pods of finest flavored peas. 2 oz. pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, 5 lbs. or more at 30c per lb.

NOTT'S EXCELSIOR.—This is an improved Premium Gem. The improvement is in size of pods and productiveness. 2 oz. pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, 5 lbs. or more at 30c per lb.

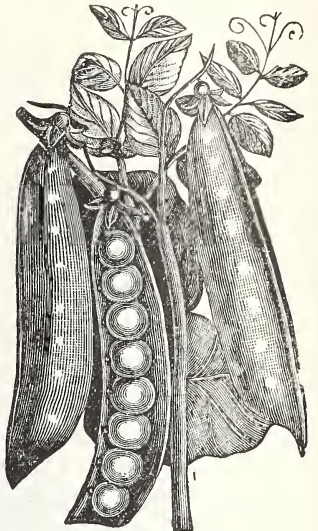
GRADUS, or Prosperity.—This remarkable pea is not only large and of best quality, but it is nearly as early as the small early sorts. Pods bright green color and measure 4 inches or more in length. 2 oz. pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, 5 lbs. or more at 30c per lb.

EVERBEARING.—Fine for main crop. Grows about 2 feet high, strong and vigorous. Does well without support. Continues to grow and produce pods of good size. 2 oz. pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, 5 lbs. or more at 30c per lb.

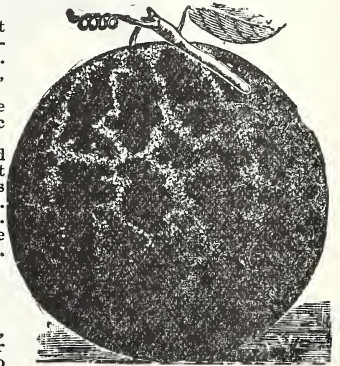
IMPROVED STRATAGEM.—Noted for the immense size of pods and peas. 2 oz. pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, 5 lbs. or more at 30c per lb.

CHAMPION OF ENGLAND.—Well known standard sort; grows 4 to 5 feet high and requires support, but fine quality and large crop produced more than repays any extra labor required. 2 oz. pkt. 10c; ¼ lb. 15c; lb. 40c postpaid. Not prepaid, 5 lbs. or more at 30c per lb.

MAMMOTH LUSCIOUS SUGAR.—The largest of the edible pod varieties. Grows tall and requires support. Pkt. 10c; ¼ lb. 15c; lb. 45c postpaid.



NOTT'S EXCELSIOR



POMEGRANATE

An interesting little orange and brown, spotted melon, very ornamental and highly scented. Add a few to your ripe cucumber sweet pickles. The flavor is delicious. Also called Queen Ann melon. Pkt. 10c; oz. 30c.

POMEGRANATE

PUMPKIN

One ounce will plant 25 hills; 4 lbs. will plant one acre.

The best and most prosperous farmers put in a crop of pumpkins every year. They can be grown separately or with corn, and do not seem to interfere in the least. They are valuable for feeding stock, and what is Fair without pumpkins, or a Thanksgiving dinner without a pumpkin pie? Planted with corn, 2 lbs. will plant one acre.

YANKEE PIE.—The noted New England Pie or Small Sugar Pumpkin. Very sweet, fine grained and one of the best varieties for table use. Early. Pkt. 5c; oz. 10c; ¼ oz. 30c; lb. \$1.00.

LARGE CHEESE.—This is a very popular pumpkin for pies and is quite commonly known as "Sweet Pumpkin." Flat shaped with creamy buff skin and thick golden flesh. Can be grown in the corn like the common cow pumpkin. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c. Five lbs. by express or freight at 50c per lb.

GOLDEN RUSSET.—Also called Winter Luxury. Golden yellow, netted or russeted over surface. Small to medium size. Unsurpassed as a pie pumpkin and a good seller on market. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

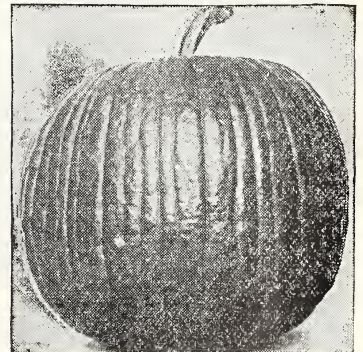
GOLDEN CUSHAW, or Jonathan.—Like the old Cushaw in shape but of clean old gold color. Flesh is solid, of deep orange color and very rich. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

JAPANESE PIE.—This is similar in size and form to the Cushaw but the skin is deep green. Seeds are marked on both sides with curious indentations resembling the Japanese alphabet. Very odd. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

KING OF MAMMOTHS.—Very large, bright yellow, fine-grained and of good quality. Grown for exhibition purposes. Pkt. 10c; oz. 20c; ¼ lb. 70c; lb. \$2.00.

NEW ATLAS.—The largest of them all. Grows to almost fabulous size and weight. Our seed is from the largest sized, perfect shaped specimens. Just the thing for exhibition. Flesh rich yellow, very thick. Profitable to grow for stock feeding. Pkt. 10c; oz. 20c; ¼ lb. 70c.

CONNECTICUT FIELD.—The common field or cow pumpkin. Oz. 10c; ¼ lb. 25c; lb. by mail 75c. Not prepaid, 10 lbs. \$6.00.



YANKEE PIE

RADISH

One ounce will sow 100 feet of drill. Eight to ten pounds will sow one acre in drill.

EARLY BIRD.—Decidedly the earliest of radishes. It is of round or turnip shape, of bright scarlet color and pure white flesh. It has few and short leaves. Very desirable for the home garden and for market. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.



EARLY SCARLET GLOBE

EARLY SCARLET GLOBE.—This is the standard early round red radish. Of handsome color, crisp, juicy and tender. Is the gardeners standby for first early radish. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c.

FRENCH BREAKFAST.—Of medium size and olive shape, with small top. Quick growth, beautiful scarlet color, shading to white. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

CRIMSON GIANT.—A rapid growing variety, developing roots of beautiful deep crimson, perfect in shape and more than double the size of any other forcing variety. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

VIOLET QUEEN.—A small round or turnip-shaped variety of a beautiful violet-purple color, shading to white near the tip, thus giving it a very pleasant aspect. It is very showy on the table. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c.

ICICLE.—A splendid variety of almost transparent whiteness. It is much the most popular sort in the entire list. There is no variety that grows more uniform in type and there are none that surpass it in quality. We recommend it as the best. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c.

EARLY LONG SCARLET, or Short Top.—An old standard variety of quick growth, long, slender root. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c.



SPARKLER

SPARKLER.—This is a new extra early, white tipped, round radish. It is distinct in that the white tip is larger and more pronounced than in any other sort. The contrasting colors give a most attractive appearance. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

WHITE STRASBURG.—Of handsome, oblong shape, both skin and flesh being pure white. Excellent for summer use. Very popular because it remains fit for use a long time and does not get pithy. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c.

MIXED RADISH.—Our mixture of about two dozen kinds contains all shades and shapes. One sowing does for the whole season, as they come early, medium and late. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

WINTER RADISH

CHINA ROSE WINTER.—A bright rose-colored variety. The most popular of the winter radishes because of its bright color, firm flesh and long keeping qualities. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

SPINACH

One ounce to 80 feet of drill; 10 lbs. will sow one acre.

Makes the finest "greens" of any plant in cultivation. For summer sow early in spring in deep, rich soil, one foot apart in drills; cover one inch. Sow at intervals of two weeks all summer. For very early use sow in September and protect.

NEW SIBERIAN.—This is an entirely new and distinct spinach, being a hardy perennial. It is the first thing that starts to grow in the spring. Leaves are long, smooth, thick and fleshy. Free from insects. Easily prepared for cooking. Can be used all summer if not allowed to go to seed. Pkt. 10c.



NEW ZEALAND SPINACH

LONG STANDING.—This is standard with gardeners. The leaves are fleshy. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c.

VICTORIA.—A variety distinguished for its very long standing qualities. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c.

BLOOMSDALE.—Savoy-leaved, curled sort. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c.

NEW ZEALAND.—This is a variety of great merit. It is of the "cut and come again" type of plants. It is ready to use by the time the early spinach has gone to seed and will continue to grow and produce its clusters of thick leaves until frost. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.

SALSIFY, or Vegetable Oyster

One ounce sows 50 feet of drill.

It is one of the most delicious and nutritious of vegetables and should be more generally cultivated for use in the winter, when the

LONG BLACK SPANISH.—A large, black-skinned radish, with firm white flesh of pungent flavor. A good keeper, lasting until spring. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

supply of really good vegetables is limited. It has the true oyster flavor and is delicious substitute for them in soup, etc. Cultivate like parsnips.

MAMMOTH SANDWICH ISLAND.—The best variety. The roots are white, smooth and of superior quality. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 75c; lb. \$2.75.

RHUBARB

One ounce will produce about 100 plants.

Succeeds best in deep, rich soil. Sow in the spring in drills, cover one inch. Thin to six inches apart; transplant in the fall or spring to permanent beds three feet apart each way.

WINEPLANT, or Strawberry Rhubarb.—The finest and richest flavored rhubarb. Stalks are smaller than other sorts, of a bright red color, and cook red, making a most appetizing dish. Prolific and good for all summer. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 60c; lb. \$2.00.

VICTORIA.—The standard variety. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

IDEAL MAMMOTH.—The largest pie plant. Leaves four feet across; stalks three inches in diameter and three feet long. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.25.

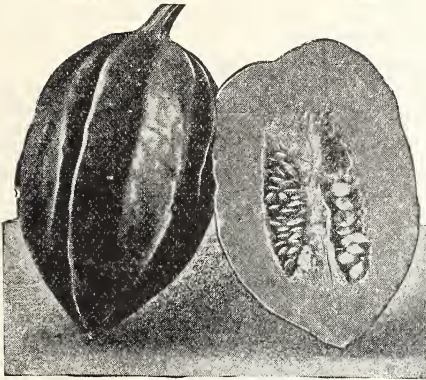
RHUBARB ROOTS

Purchase roots, as you can save one year's time in this way. The roots we offer are large divided plants. Plant spring or fall, setting three feet apart.

Either variety 35c each; \$2.50 per dozen postpaid; \$1.25 per dozen not prepaid. Ask for price by the 100.



RHUBARB



THE DES MOINES

One ounce of early varieties will plant about forty hills, 2 lbs. per acre. One ounce late varieties will plant about twenty hills, 4 lbs. per acre.

Plant about the middle of spring in hills, the early sorts four to six feet apart, the late varieties eight to twelve. Thin to three plants in the hill. The soil cannot be too rich. Use Slug Shot to kill the bugs.

DES MOINES SQUASH.—Introduced by us, under the name "Table Queen." Name changed at the request of the Des Moines Market Gardeners' Association. Vines are vigorous and very productive. Just the right size, averaging 6 inches long and 4 inches in diameter. Color dark green, shell hard, smooth and rigid. Just wash it clean, cut in half, take out the seeds, bake twenty minutes and you will have the nicest squash you ever tasted. Splendid for pies. Ripens in

SQUASH

the fall. Pkt. 10c; oz. 25c; ¼ lb. 50c; lb. \$1.25.

GOLDEN BUSH.—The earliest of all and quite a favorite with all who like summer squash. Bright golden yellow color and of excellent quality. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

WHITE BUSH SCALLOPED.—Like Golden Bush. Sometimes called "Patty Pan." Differs from the Golden Bush in color only. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

EARLY BUSH CROOKNECK.—Splendid, early, productive and of fine quality. No summer squash superior to this. Shape long, with curving neck; skin warted. Pkt. 5c; oz. 25c; ¼ lb. 50c; lb. \$1.25.

PEERLESS VEGETABLE MARROW.—In England they consider this far superior to squash. Peerless is the most desirable sort. Of excellent flavor. Pkt. 5c; oz. 15c; ¼ lb. 55c; lb. \$1.50.

GOLDEN HUBBARD, also called Red Hubbard.—A counterpart of the old Green Hubbard, except in color, which is bright, deep orange-yellow. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.25.

SYME'S BLUE HUBBARD.—A new strain of Hubbard. Color clear, light blue; thick shelled and a good keeper. Pkt. 10c; oz. 25c; ¼ lb. 55c; lb. \$1.40.

BANANA.—A distinct variety of fall and winter squash. Very prolific, grows to 2 feet or over in length; very fine grained, heavy. Cooks dry but free from "choky" quality common to winter squashes. Always rich, sweet and splendid flavor. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.25.

TURNIP

One ounce will sow 150 feet of drill; 2 pounds will sow an acre.

For early, sow in April in drills half an inch deep and twelve inches apart; thin to six inches apart in the drill. For main crop sow broadcast in July and August, and before a shower if possible.

EARLY WHITE MODEL.—The handsomest and earliest. Fine grained and sweet. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.25.

EXTRA EARLY PURPLE TOP MILAN.—Much like the above but has purple top. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.25.

WHITE EGG.—A quick growing, egg-shaped, perfectly smooth, pure white variety with small top and rough leaves. The flesh is very sweet. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

GOLDEN BALL, or Orange Jelly.—A beautiful bright yellow fleshed turnip of medium size and universally sweet and delicious flavor. Flesh extremely firm and solid. If you have never tried yellow turnips, we advise you to plant Golden Ball this year. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

PURPLE TOP GLOBE.—The largest yielder of any turnip on the list. True to its name in shape and color. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 60c. Not prepaid, 5 lbs. or more, at 50c per pound.

PURPLE TOP STRAP LEAVED.—The standard for late planting. Of good size, flat shape, pure white below with purplish red top. Excellent keeper. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c. 5 lbs. not prepaid, at 45c per lb.

RUTA-BAGA

Also called "Swede" turnips. A splendid table vegetable, also grown for stock feeding. Superior to turnips in quality. Sow in June in drills 2 feet apart; thin out to eight inches.

IMPROVED AMERICAN.—Very solid, good shape, smooth skin, small neck, keeps well. A choice strain of very best quality for table use or stock feeding. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. 90c.

GARDEN PLANTS

Every garden should contain an assortment of these hardy plants and a few square feet will supply the family. Many believe if these well known remedies were kept and used more in families in place of so many drugs and patent medicines it would be better for the health of the people. We pay the postage.

CALAMUS—Plain Leaf.—(Acorus.) Also called "Sweet Flag." The roots are the part used and have a pleasant, aromatic taste. Each 15c; doz. \$1.50.

CHIVES.—Perfectly hardy little perennials of the onion tribe, and are grown entirely for their tops, which are used wherever flavor of onion is required. The tops appear very early in spring and can be shorn throughout the season. Roots per bunch 15c; 3 for 40c.

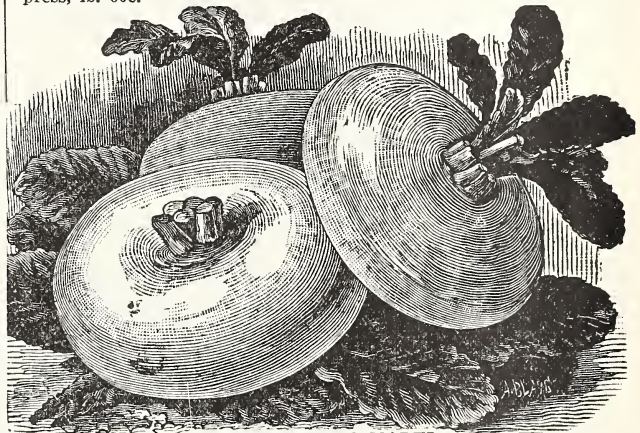
HOP ROOTS.—(Golden Cluster.) A fine variety of commercial hops. The vines are very ornamental when trained over rockeries, stumps, etc., with the added value of usefulness from the crop produced. Each 25c; 3 for 50c; doz. \$1.50.

MONARDA DIDYMA.—Also called Scarlet Bergamot and Oswego Tea. Not only useful as an herb, but very ornamental with bright scarlet flowers. Each 15c; 3 for 40c; doz. \$1.25.

PEPPERMINT.—All children know and like the flavor of peppermint. It has a high medicinal value. Any pantry collection of dried herbs is incomplete if it does not contain some. Be sure that your order calls for at least a few plants. Each 15c; 3 for 40c.

SPEARMINT.—Commonly called Mint and thousands of dollars' worth of it is sold annually in New York, Boston and other cities for flavoring salads, garnishing meat, etc. Each 25c; 3 for 40c; doz. \$1.00.

GARLIC.—Species of onion propagated by dividing the bulbs into small pieces, planting each one separately. It is quite pungent and is used for flavoring soups, stews, etc. Per lb. 70c postpaid. By express, lb. 60c.



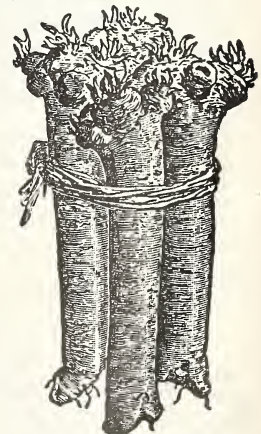
EARLY WHITE MODEL

HORSE RADISH

Grow it in your own garden and grate fresh. Plant the sets small end down in rows 3 feet apart, about 12 inches apart in the row. It does best in rich, loose soil covered about two or three inches. Price, crown sets 50c per doz.; \$2.50 per 100. Root cuttings 25c per doz.; \$1.50 per 100. Ask for price in large lots.

VEGETABLE PLANTS

We will have a full line of these in the spring and a price list will be issued in March. If interested in planting large lots, let us quote you special prices.





SUPERLATIVE

PRESERVING TOMATOES

GOLDEN NUGGET.—Has no equal as a preserving tomato. Fruits are beautiful golden yellow, round as a ball and about as large as a hulled black walnut. Pkt. 10c; oz. 50c.

PEACH.—Named from its resemblance to a peach in size and shape and color. Pkt. 10c; oz. 50c.

YELLOW PEAR.—Pkt. 10c; oz. 40c; ¼ lb. \$1.00.

CRIMSON CURRANT.—A most charming little fruit of bright crimson color; borne in long clusters about the size of currants. Pkt. 10c; oz. 60c.

HERBS

In making up your assortment of seeds for the year, don't neglect to order a few varieties of herbs. The chief point is to harvest them properly, which should be done on a dry day when not quite in full bloom, dried quickly.

- ANISE.**—Seeds of agreeable aromatic taste. Pkt. 5c; oz. 25c.
BALM.—For making balm tea. Pkt. 5c; oz. 25c.
BASIL, SWEET.—For flavoring soups. Pkt. 5c; oz. 15c.
BORAGE.—Leaves used for flavoring. Pkt. 5c; oz. 15c.
CARAWAY.—Seeds are used for flavoring bread, cookies, etc. Pkt. 5c; oz. 15c.
CATNIP, or Catmint.—For seasoning. Pkt. 5c; oz. 30c.
CORIANDER.—Seeds used in confectionery. Pkt. 5c; oz. 15c; ¼ lb. 25c.
CASTOR OIL PLANT.—Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c.
CHAMOMILE.—Largely used for medicinal purposes. Pkt. 10c.
DANDELION.—For greens, also for medicine. Pkt. 5c; oz. 35c.
DILL.—Used in making dill pickles. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 80c.
FENNEL, SWEET.—Leaves used in sauces. Pkt. 5c; oz. 15c.
HYSSOP.—For asthma and catarrh. Pkt. 5c; oz. 20c.
HOREHOUND.—For seasoning and cough remedy. Pkt. 5c; oz. 20c.
LAVENDER.—Used as a perfume. Pkt. 10c; oz. 25c.
MAJORAM, SWEET.—For seasoning. Pkt. 5c; oz. 20c.
POPPY, or Maw.—Blue seeded. Pkt. 5c; oz. 10c.
ROSEMARY.—Aromatic leaves for seasoning. Pkt. 10c; oz. 60c.
SAFFRON.—Flowers used for coloring. Pkt. 5c; oz. 20c.
SAGE.—Much used for dressing. Pkt. 10c; oz. 40c; ¼ lb. \$1.25.
SUMMER SAVORY.—Used for flavoring. Pkt. 5c; oz. 20c.
THYME.—Leaves used for seasoning. Pkt. 5c; oz. 40c.
WORMWOOD.—Used medicinally, and also for poultry. Pkt. 5c; oz. 25c.
MIXED VARIETIES.—A mixture of all the above. A nice garden assortment. Pkt. 5c; oz. 20c; ¼ lb. 65c.

MUSHROOMS

The spawn we offer is produced in this country and gives good results. Directions for culture sent on application. Per brick of 1 lb. by mail 40c. By express or freight, not prepaid, 5 bricks \$1.25, 10 bricks \$2.25, 100 bricks \$20.00.

TOMATO

One ounce will produce about 2,500 plants.

Sow early in hotbeds or seed boxes and when plants have four leaves transplant to 4 or 5 inches apart. When all danger of frost is past, transplant to the open ground, 4 to 6 feet apart each way. Our tomato seed is saved from hand-picked fruits. No decayed or deformed tomatoes are used.

EARLY DAWN.—A new variety of English origin. Very solid for an early tomato. Prolific. Excellent flavor. Good red color. Pkt. 10c; oz. 35c.

BONNIE BEST.—A very early and desirable variety. The fruits are most attractive in shape, solidity and color, which is bright scarlet from outside to center. Ripens more uniformly than other early sorts. A favorite with market gardeners. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.50.

JOHN BAER.—This variety is offered as one of the earliest for home and commercial use. In our trials we have found it to mature about the same time as Bonny Best. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.50.

DWARF CHAMPION.—Also called Tree Tomato. Plant is dwarf and compact, stem stiff and short jointed, almost self-supporting when it is laden with fruit. Early. Color purplish pink. Pkt. 10c; oz. 35c; ¼ lb. \$1.10; lb. \$4.00.

SUPERLATIVE.—The best of all the main crop tomatoes. Fruits are medium size, very solid and without exception the best flavored red tomato we have ever grown. It is very handsome, being a pinkish crimson in color. While we grow many other varieties on our Seed Farm our women folks use Superlative in preference to any other. Pkt. 10c; oz. 50c.

LIVINGSTON'S BEAUTY.—A standard variety that always gives satisfaction. In color it is purplish red. Pkt. 10c; oz. 35c; ¼ lb. \$1.10; lb. \$4.00.

MATCHLESS.—Well worthy of its name for in beauty, color and symmetry of form it is without a peer. Pkt. 5c; oz. 30c; ¼ lb. \$1.00; lb. \$3.50.

PONDEROSA.—A well known variety, rather late to mature. Fruits are very large and solid, of purple color. Inclined to be irregular in shape. Pkt. 10c; oz. 45c; ¼ lb. \$1.50; lb. \$5.50.

CRIMSON CUSHION.—Like Ponderosa, except color, which is bright red. Pkt. 10c; oz. 45c; ¼ lb. \$1.50; lb. \$5.50.

GOLDEN QUEEN.—Large yellow. Its fruit is smooth and of finest flavor. Pkt. 5c; oz. 30c; ¼ lb. \$1.10; lb. \$4.00.

WONDER MAGNUS.—The best of the potato-leaved tomatoes. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; lb. \$3.50.

GRAND TOMATO TRIO

THE THREE MAJESTICS—RED, PINK OR YELLOW

One packet each of the three Majestics for 25c.

We have been featuring our three Majestics for several years and are selling more seed each year. They are certainly the last word in size and quality for main crop. They grow to immense size, are perfectly solid. Splendid quality, very few seeds and cannot be beat for canning. Either color, pkt. 10c; all three for 25c; oz. 60c.

CANNING CLUB COLLECTION

EIGHT CHOICE GARDEN FRUITS FOR PICKLING, PRESERVING AND CANNING

GROUND CHERRY.—A delicious garden fruit relished by all. Pkt. 10c; ½ oz. 25c.

GARDEN HUCKLEBERRY.—Another splendid little fruit. You will like it. Pkt. 10c.

APPLE PIE MELON.—A large citron melon of superior quality. Per pkt. 10c.

VINE PEACH.—The finest thing for sweet pickles. Pkt. 10c; oz. 25c.

AMERICAN MAMMOTH DILL.—For dill pickles. Pkt. 5c.

LEMON CUCUMBER.—Splendid for sweet or sour pickles. Unsurpassed for slicing. Pkt. 10c; oz. 25c.

GOLDEN NUGGET TOMATO.—Best of the preserving tomatoes. Round in shape, bright yellow in color, and about the size of a hulled black walnut. Wonderfully prolific. Pkt. 10c; oz. 50c.

PIMENTO PEPPER.—Medium to large size and suitable for making green pepper pickles. Per pkt. 10c.

One pkt. of each, sufficient for the ordinary garden, postpaid, only 50c

CHILDREN'S GARDEN COLLECTION

Let the children have their own plot, do their own harvesting, and see how much enjoyment they get from their work.

1 pkt. **YELLOW GROUND CHERRY**, sweet and good; 1 pkt. **PEACH TOMATO**, fine flavored and small size; 1 pkt. **TIP TOP MUSK MELONS**, large and fine quality; 1 oz. **SWEET-HEART WATER MELON**, as good as the name; 1 pkt. **AUSTRALIAN HULLESS POP CORN**, the best pop corn variety; 1 oz. **CHUFAS** or **EARTH ALMONDS**, small sweet ground nuts of delicious flavor; ¼ lb. **SPANISH PEANUTS**, can be grown in any good soil.

Seven items of the best, amounting at regular value to 80 cents.

MAILED POSTPAID FOR ONLY 50 CENTS.

FARM SEED DEPARTMENT

All the wealth of Agriculture is taken from the soil. No matter how rich the soil the right seed must be selected to turn this fertility into marketable form.

The best seed is always cheapest in the end, for it makes the most profit for the grower.

In selecting crop seed we keep in mind, always, the greatest yield with the least labor.

IOWA SHIELD BRAND SEED has made its reputation on this basis. Free from weeds, hardy varieties, high yielding strains, all make for a higher yield per acre with less labor per bushel.



SHIPPING.—Our shipping facilities are excellent, and we can give you prompt service. We do not pay freight or express on farm seeds, but we deliver to the depot here and furnish bags without charge.

PRICES.—Prices named in this department are subject to important market changes. We print a weekly price list during the spring season. If you will write us, sending list of your requirements, we will take pleasure in sending samples and quoting latest prices.

You take no risk when you order from us as all orders are sent out with the understanding that seed must be satisfactory to you or it may be returned to us within 15 days and the money paid will be refunded. This gives you time to inspect and test or to have it inspected and tested by any authority, and we will abide by the report. There is no sale until you are satisfied.

ABOUT WARRANTING.—We thoroughly test all our seeds and nothing is sent out which we do not believe to be good in every respect. However, we give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned, and the money paid for same will be refunded.

We know of no responsible seed firm in the world which guarantees seeds any further than this.

SEED CORN

Our Seed Corn is grown by us or is grown for us and is hand-selected, carefully tested for germination, is tipped, butted carefully, graded, and is as choice as care and labor can produce. We handle only varieties of proved excellence.

THE NEW AGRICULTURE

So much has been accomplished in the past ten years that farming, the oldest of arts, is now following the NEW WAY:

We planted "bugs" with the Alfalfa and increased the crop. Now we can kill the harmful disease germ without damage to the seed. In fact, the vitality is increased.

Remember these aids when you send your order. It is really insurance on your crops.

NITRAGIN

Use it on all clovers, beans, peas, vetch and other legumes. Nitragin is the original inoculant. There is none better. Easily applied. Do NOT use this and Uspulun together. The Uspulun kills the bacteria of the



Nitragin as well as disease germs.

Prices: $\frac{1}{2}$ bu. size, 60c; 1 bu. size, \$1.00; 5 bu. size, \$4.75.

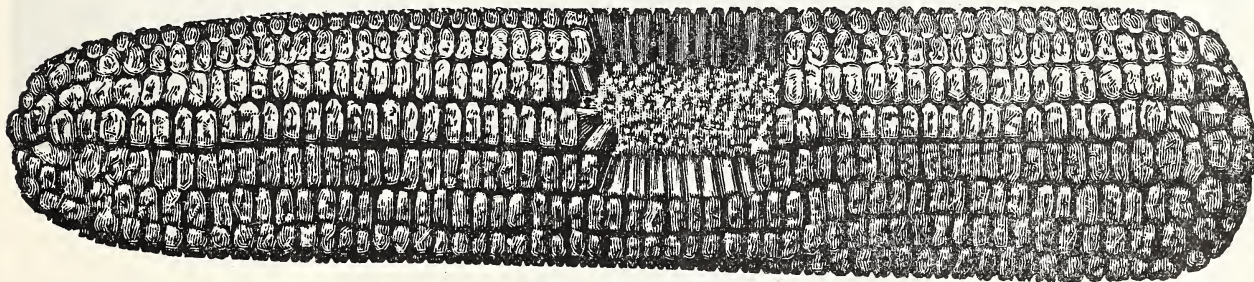
For Soybeans and Cow Peas: $\frac{1}{2}$ bu. size, 40c; 1 bu. size, 70c; 5 bu. size, \$2.50. All postpaid.

USPULUN AND BAYER DUST

The Uspulun is used with water for soaking seed of all kinds. Kills all bacteria and germ disease on the seed. Used for "damping off" and crown gall, also brown patch. Send for booklet giving complete details. By express only —cannot be mailed: Uspulun, 2 oz. tins, 50c; 8 oz., \$1.60; 1 lb., \$2.75; 5 lb., \$13.00; 25 lb., \$62.50.

Bayer Dust is used dry and is more easily applied. 2 oz. tin, 25c; 1 lb., \$1.25; 5 lb., \$5.50.

SEMESAN.—Like the above made by DuPont Co. Price same as Uspulun. We have used both with wonderful results.



KRUG YELLOW VICTOR

KRUG YELLOW VICTOR

Of all the established varieties of dent corn, Krug is the most desirable for the central corn belt because:

First—It is highest yielding. After all, it is bushels in the crib that make a desirable variety. In every contest where Krug has been entered it has won a place. The average of these tests will show it far above any other pure-bred variety in yield. It is only surpassed in yield record by the inbred crosses.

Second—It is an early maturing variety. In the central corn belt this means sounder, drier corn in the crib. It also means good, strong seed for the next crop. Most of the corn grown in the corn belt is too slow in maturing one year in three.

Third—It is yellow, and yellow corn is more attractive than any other color. It sells more readily and has greatest feeding value.

Fourth—It is a new variety. Fresh from the hand of the breeder. It will remain a good corn for a few years before it has been changed

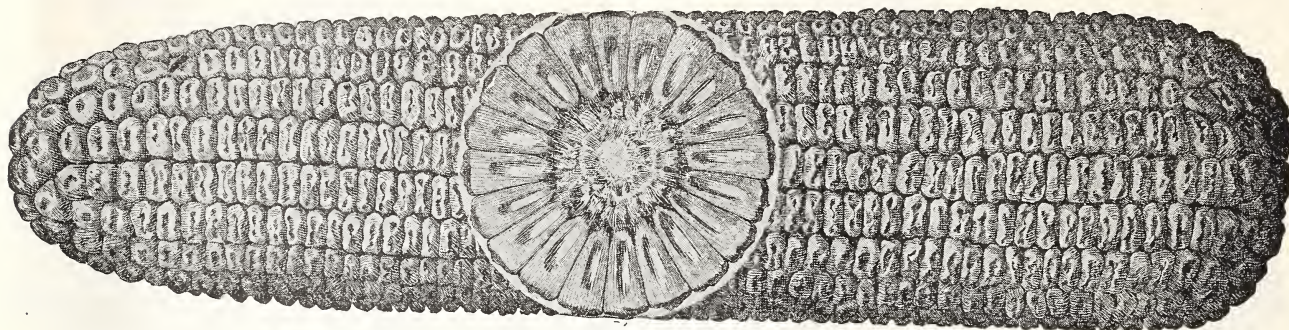
by a host of growers who have tried to "improve" it. Reid's Dent was once such a corn. Today we do not even remember what the original type of Reid's was like.

ITS ORIGIN.

Krug corn was bred by Mr. George Krug, of Woodford County, Ill. The first cross was made with Iowa Gold Mine and World's Fair; both secured from us. From this cross he selected the type which has become the most valuable variety of today.

Our stock of Krug is grown from seed originating on the Krug farm and is selected just as close to the original type as possible. It contains both rough and smooth ears, as this was Mr. Krug's idea in building up this phenomenal variety.

Prices: By mail, 7 lbs. (enough for an acre) \$1.25. Not prepaid. Peck \$1.50; bushel \$5; 10 bu. or more at \$4.50.



IOWA SILVER MINE

IOWA SILVER MINE

This variety was introduced by the Iowa Seed Company. It has been grown successfully in every state that can grow big corn. Also in South America and Australia. Produces well in the South.

In the corn belt it is a 100-day corn. High yielding and a sure cropping variety. We have never found a better white corn for the corn belt. The seed we offer this year was grown on our Altoona Farm. It is carefully selected and tested. The supply is not large, so if you want to be sure of this variety order early.

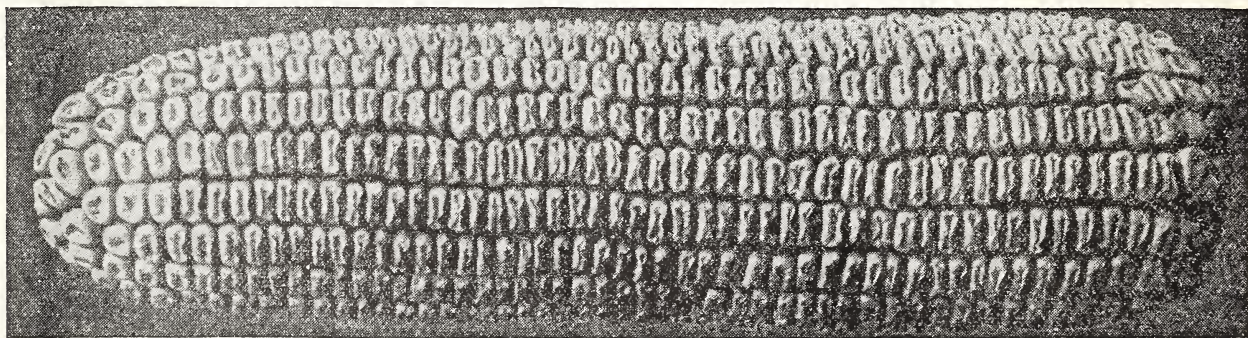
Price: 7 pounds, by mail, \$1.25. Peck, not prepaid, \$1.50. Bushel, \$5.00. Ten bushel lots at \$4.50 per bushel.

IOWA GOLD MINE

One of the first varieties originated by the Iowa Seed Company. It is still a well known and distinct variety. Extremely deep grain. Small cob. Matures early and can be fed while later corns are still too green. It is the dependence of the feeder for early fall feed. This variety should never be grown to sell as grain as its early feeding value is what makes it so desirable.

Grain is so deep that it does not dry out rapidly, but is mature enough to feed two weeks ahead of Reid's Dent and other late varieties. Try a field for "hogging down." You should always plant some Gold Mine.

Price: 7 pounds, by mail, \$1.25. Peck, not prepaid, \$1.50. Bushel, \$5.00. Ten bushel lots at \$4.50 per bushel.



IOWA GOLD MINE

PRIDE OF THE NORTH

The Earliest Variety of Yellow Dent Corn. Matures in Ninety Days.

Originated with A. L. Goddard of Kossuth County, Iowa, near Minnesota line. The ears are 7 to 8 inches long, with small cob and kernel. Color bright orange, very uniform and matures in this latitude when planted in June. It is the dependence of the man in a

pinch. If for any reason you cannot plant at proper time, Pride of the North will make a crop in less time than the large-eared sorts.

PRICES—7 lbs. (will plant one acre) \$1.25 prepaid; ¼ bu., not prepaid, \$1.50. Bushel, \$5. Ten bu. at \$4.50 per bu.

EXTRA EARLY FLINT CORN

Ready for Use a Month Earlier than Ordinary Varieties.

The great value of the Flint varieties of corn is in the production of early feed for live stock because it is sufficiently matured for feeding far in advance of the Dent varieties.

LONGFELLOW FLINT.—The best yellow variety. Good yield and early maturity. 3 lbs. 75c postpaid. By freight, pk. \$1.00; bu., \$3.50.

SANFORD'S EARLY WHITE FLINT.—This standard variety is considered the best flint corn on the market. The ears are of unusual length, 12 to 15 inches, and of handsome shape and flinty white color. 3 lbs. 75c postpaid. By freight or express, not prepaid, pk. \$1.00; bu. \$3.50.

EVERGREEN SWEET FODDER CORN

Superior to Field Corn in Feeding Value.

We consider it one of the most valuable fodder plants in existence, and stock farmers should all devote some land to it.

PRICES—10 lbs. \$1.25; \$10.00 per 100 lbs.

HI-BRED CORN



Last year we promised you that we would have a yellow crossbred corn to offer this year. You can now grow this high yielding type of corn and still have the good yellow color of Reid's dent corn.

HI-BRED CORN is produced by an association of corn breeders of which our president, Geo. L. Kurtzweil, is a member. Careful hand pollination and systematic crossing in isolated fields is absolutely necessary in the production of HI-BRED CORN. This work is well organized under the association. The experimental work, increasing of breeding stock, field crossing, harvesting, artificial drying, sorting, shelling, grading and testing are all done under their supervision.

HI-BRED CORN is sold in branded bags in which nothing will be shipped without the authority of the association.

HI-BRED YELLOW. A triumph in corn breeding. This corn is produced by the same line of breeding fol-

lowed in the production of Copper Cross, and by the use of new blood lines the red color has been eliminated.

Crossbred varieties have made a wonderful record the past year. In fact, the showing in the acre yield contest was such that the crossbred corns have been placed in a class by themselves for this year.

The report of the 1926 contest will be issued about February 1st. Watch for it. HI-BRED and COPPER CROSS are both entered and we know they will give a good account of themselves.

The price of HI-BRED YELLOW is: Packet, 10c. Pound, 50c, postpaid. Peck, not prepaid, \$3.50. Bushel, \$12.00.

HI-BRED YELLOW. Ungraded. Like the above but not graded for edge drop planter. It will probably produce just as much corn per acre, but will not plant so well in a modern planter. Price per peck, not prepaid, \$2.50. Bushel, \$8.00.

HI-BRED RED MIXED. For this season's planting, enough of the Yellow HI-BRED could not be produced with the limited amount of breeding stock available, so a quantity of seed has been grown from stock which still shows some red color. Most of this seed will produce YELLOW corn, but not all of it. Where color makes no difference plant this seed as it yields just as well as the yellow seed and is much cheaper.

The price of HI-BRED RED MIXED shelled and graded is: Packet, 10c. Pound, 50c. Peck, not prepaid, \$2.50. Bushel, \$9.00.

Write for booklet giving the history of HI-BRED CORN and telling something of its record to date—it is free.

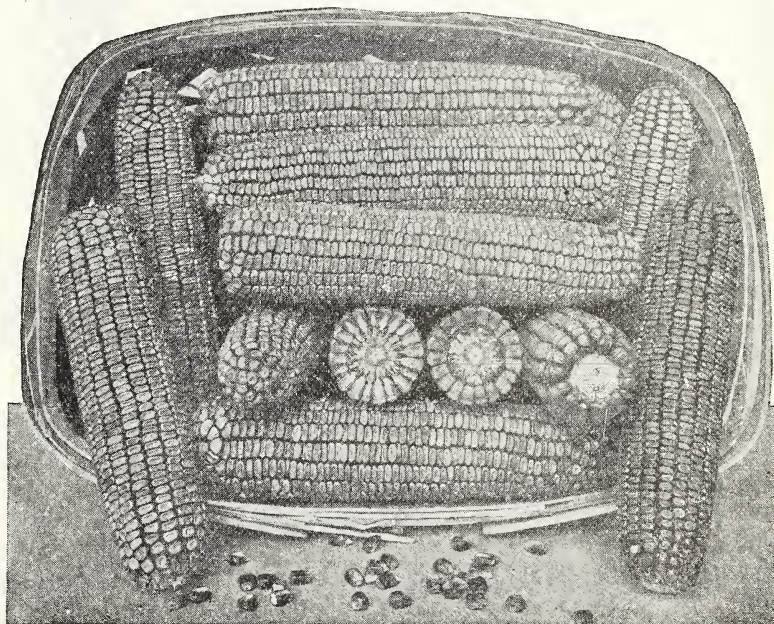
COPPER CROSS

Copper Cross is really the pioneer of the crossbred corns. This is the fourth year it has been listed in our catalog. This year will probably see several different crossbred corns on the market. HI-BRED CORN listed on this page is another variety of this class.

Copper Cross will sell this year on its record for it has been tried in the different parts of the state, both in the acre yield contest and on the farms of our customers. Those who have written us about Copper Cross will all plant this variety again this year.

Copper Cross was winner of the Gold Medal in the State Contest of 1924. It was not entered in 1925 but made an excellent showing in field tests throughout the state. This year it ripened as far north as Brookings, S. D. It proved to be drouth resistant in Nebraska and northern Iowa. In both places yielding twice as much as other corn in the same field. Watch for the reports of the 1926 contest as Copper Cross is entered in different sections to show its adaptability. Price by mail, Packet, 10c. Pound, 50c, postpaid. Not prepaid, peck, \$3.50. Bushel, \$12.00.

A distinct advantage of Copper Cross is the early maturity of the breeding or seed-producing fields. Seed was ripe in September and was harvested before frost. The resulting crop also matures a little earlier than Reid Yellow Dent, but should not be planted north of the Illinois Central Railroad in Iowa.



If you want seed that will grow and corn that produces the big yield, plant COPPER CROSS.

A bushel of corn will plant seven acres. If the yield is eleven bushels per acre more than average Reid, as proved by the Iowa Corn Yield Contest in 1924, a bushel of Copper Cross is worth at least \$35.00 more for seed than ordinary Reid corn.

SEED OATS

Buy Iowa Grown Seed



For the farmer who wants to sow grass seeds with oats, we recommend the White Kherson (Iowa 103) on ordinary soil, or the Richland (Iowa 105) on strong soil. These do not make such rank growth of straw as other sorts and will not lodge under ordinary conditions.

THE IOGREN OAT.—This is a new variety sent out by the Ames College. The Iogren is a thoroughbred from Greer Russian and is a great improvement over that well-known popular sort. Price 2½ bu. bag \$2.50.

THE IOWA OAT.—Prof. Burnett's latest introduction at Ames College. The professor says it is three days later, three inches taller and yields three bushels per acre more than White Kherson (Iowa 103). The grain is good size, thin hull and good color, so it is popular for market. We recommend it to our farmers. By freight, per bu. \$1.00; 2½ bu. bag \$2.25. See Farm Seed Price List for quantity price.

WHITE KHERSON (Iowa 103).—A production from Ames College. Bred by Prof. L. C. Burnett, agronomist at the Iowa Agricultural College, and introduced by us. Prof. Burnett gave it the designation of "Iowa 103" and we gave it the trade name of "White Kherson" because we believed that numbers might become

confusing. It is without doubt the most popular variety in our state. It is very early, the grain is plump and heavy, with thin hull. The straw is strong and stands up well on good soil. Our seed is pedigreed stock grown continuously by us since first given us by Prof. Burnett, and it has always been given great care in seed selection and in grading. By freight, per bu. \$1.00; 2½ bu. bag \$2.25. See Farm Seed Price List for price in quantity.

THE RICHLAND OAT (Iowa 105).—The best variety for rich, strong land. Another variety from the Agricultural College, bred by Prof. L. C. Burnett, and it was sent out as the best for strong, rich ground, where the ordinary varieties of oats would lodge. It does not grow very tall, but has stiff, strong straw and it will stand up under adverse conditions better than any other variety known. It is very early and produces wonderful crops and competes with the White Kherson in quantity produced. The grains are medium sized, light yellow in color, plump and heavy. By freight, per bu. \$1.00; 2½ bu. bag \$2.25. See Farm Seed Price List for price in quantity.

SEED WHEAT

MARQUIS.—This is the wheat that won the \$1,000 prize at New York Agricultural Exhibition against all exhibitors, representing every wheat growing section of the western hemisphere. Originated at the Experimental Station at Ottawa, Canada. We have found it the best beardless variety for Iowa planters. We grow our own stock in Iowa because we find that acclimated seed is better for our friends than stock secured from the North. Grows stiff, strong straw of medium height, has round dark red kernels and matures two weeks earlier than the old blue stem types. Peculiar because free from beards and not so hard to handle at harvest. Per lb. 25c; 3 lbs. 60c postpaid. By freight per bu. \$3.00. Ask for price in quantity.

EARLY JAVA.—The early bearded sort that is so prolific and gives best returns in the corn belt. It is a bearded variety which for many years past has given far better satisfaction in central Iowa than any other bearded variety. Earlier than the Velvet Chaff or other standard sorts and thus escapes the extreme hot weather so injurious to small grain. It is usually ready for harvest as early as winter wheat and therefore desirable to sow on land where winter wheat has partially failed. A good crop can this way be secured from fields which would otherwise be unprofitable. By freight, per bu. \$3.00. Ask for price in quantity.

MACARONI OR DURUM WHEAT

It will yield more bushels per acre than ordinary varieties. It is always a sure crop. It grows very strong and vigorous and gives a good return on poor land. The grains are hardy, glossy, often translucent, large and plump and really beautiful. It seems to be freer from smut or rust than ordinary varieties. Sow one and one-half bushels per acre. By freight, per bu. \$3.00. Ask for price in quantity.

SEED BARLEY

MANDSCHEURI.—Improved strain of standard six-row barley. The standard market variety by which all are graded. It is an early variety, very strong stiff straw, stands up and stools well. It bears large well-filled heads of plump grain. By freight, per bu. \$1.75. See Farm Seed Price List for quantity price.

ODERBRUCKER.—First introduced into the U. S. from the Agricultural Experiment Station at Guelph, Ontario, Canada. Bred and disseminated at the Wisconsin Agricultural College by Prof. R. A. Moore who claims it is the greatest barley in this country for feeding or malting purposes. It is bearded and in growth similar to Mandscheuri but the straw is somewhat stronger and stiffer, and will stand upon the richest ground. Will not rust and is free from smut. Per lb. 25c; 3 lbs. 60c postpaid. By freight, per bu. \$1.75. See Farm Seed Price List for quantity price.

SEED RYE

MAMMOTH SPRING RYE.—This is quite different from the winter rye. It is not only more productive but the grain is of finer quality and it can be successfully grown in any latitude. The straw is of special value as it stands six or eight feet high. Produces thirty to forty bushels of grain to the acre. As it does not stool like winter rye, not less than two bushels to the acre should be sown. By freight, per bu. \$2.50. See Farm Seed Price List for quantity price.

MONSTER WINTER.—It is usually sown in the fall. If sown early in the spring, it makes an early and abundant pasture, but makes no grain crop. We can supply in the fall this and other varieties of rye for grain production, and will be glad to quote the different kinds about August 1st. By freight, per bu. \$2.25. See Farm Seed Price List for current values in quantity.

BUCKWHEAT

Buckwheat is a valuable crop. Generally sown in July and fills up vacant plots at a time when all other planting is past. Also largely used as a winter cover crop in orchards and nurseries. Use about one-half bushel seed per acre.

JAPANESE.—Is more productive than any other and succeeds well far north. The kernels are quite large. Lb. 25c; 3 lbs. 60c postpaid. By freight, per bu. \$2.50. See Farm Seed Price List for current prices.

SILVER HULL.—Grain is light gray color, rounder than the common variety, has a thinner husk; earlier. Lb. 25c; 3 lbs. 60c postpaid. By freight, per bu. \$2.50. See Farm Seed Price List for current values.

SEED FLAX

Our seed is thoroughly re-cleaned, free from mustard or any other seed and is as good as can be purchased anywhere. Do not buy flax seed on open market. It is generally full of weed seed. Per lb. 20c; 3 lbs. 60c postpaid. Market changes. See Farm Seed List for prices.

BROOM CORN

EVERGREEN.—The brush is noted for fine quality, good length and handsome appearance. Lb. 25c; 3 lbs. 65c postpaid. See Farm Seed Price List.

DWARF.—Popular in some sections. Matures late. Lb. 25c; 3 lbs. 65c postpaid. Send for Farm Seed Price List for value on quantity.

SUNFLOWER

The very best poultry feed for winter. Drill in rows. **MAMMOTH RUSSIAN.**—Extremely large sunflower. Large pkt. 5c; lb. 25c; 3 lbs. 50c postpaid. By freight or express, not prepaid, 10 lbs. \$1.50; bu. (25 lbs.) \$3.50.

WHITE CANADA FIELD PEAS

Their value is for early hay. Sow early as the ground can be worked, one bushel of peas to two bushels of oats per acre. Mix together and sow with grain drill. Cut when oats are in the milk, cure as ordinary hay. Matures in 90 days. Peas add nitrogen to the soil like clover, so the crop is a help. Lb. 25c; 3 lbs. 60c postpaid. See Farm Seed List for quantity prices.

COW PEAS

COW PEAS.—These have been so generally superseded by soy beans that they are no longer an important item. We can supply the New Era and Whippoorwill varieties. Per lb. 25c; 3 lbs. 60c by mail postpaid. See Farm Seed Price List for quantity values.



SUDAN GRASS

**MAKES FINE QUALITY HAY. WONDERFULLY PRODUCTIVE.
A MOST VALUABLE QUICK-GROWING PLANT FOR
AN ANNUAL HAY CROP.**

Sudan has made a place for itself as a forage and hay crop. It has the advantage of being inexpensive to sow, as 8 to 10 lbs. drilled or 15 to 20 broadcast is sufficient, and price this year is low. Will make two cuttings for hay if sown early or one good crop of hay, and pasture afterwards until freezing weather. Lb. 25c; 3 lbs. 60c postpaid. See Farm Price List for quantity price.

KENNEY'S EARLY AMBER CANE

An improved variety grown on our own farms to keep it pure. The stock seed has been saved from stalks tested for sugar content. This process has been followed for a number of seasons, until we now have without doubt the best sorghum cane in the country. Specially recommended for northern planters as it matures quicker than other varieties. Use only 5 lbs. seed per acre. Per lb. 25c; 3 lbs. 60c postpaid. Not prepaid, 10 lbs. \$1.25; 25 lbs. \$2.50; 100 lbs. \$8.00.

EARLY ORANGE CANE

Seeds are produced in compact head similar to Kaffir and Feterita. It is a few days later to mature than the Amber. It is not so good for northern planters as Kenney's Amber. The syrup is somewhat lighter than that made from the Amber variety. High grade seed, per lb. 25c; 3 lbs. 60c postpaid. Not prepaid, 10 lbs. \$1.25; 25 lbs. \$2.50; 100 lbs. \$8.00.

CANE FOR FODDER OR SILAGE

There is no fodder plant in existence that is so generally popular. It is profitably grown anywhere from Manitoba to Mexico, on any good corn ground, and does not appear to be affected by drouth. It is easy to raise. It is valuable as green forage, as hay or fodder, and as silage. It is wonderfully productive. Send for free circulars on Cane and Sudan Grass. See Farm Seed Price List.

KAFFIR CORN

Grown here principally as a poultry feed, for which purpose it is excellent. Also has some value for forage. Price per lb. 25c; 3 lbs. 50c postpaid. By freight or express, not prepaid, 10 lbs. 75c; 25 lbs. \$1.50. See Farm Seed List for quantity values.

FETERITA

Similar to Kaffir corn in general habit. It matures earlier than Kaffir, and the grains are somewhat larger and softer. Suitable for feeding most any kind of live stock. Per lb. 25c; 3 lbs. 50c, postpaid. Not prepaid, 10 lbs. 75c; 25 lbs. \$1.50. See Red Ink List for quantity price.

MILO MAIZE

Belongs to the same family as Kaffir Corn and resembles it in manner and habit of growth. Grain is light red color. Per lb. 25c; 3 lbs. 50c, postpaid. Not prepaid, 10 lbs. 75c; 25 lbs. \$1.50. See Red Ink List for quantity price.

DWARF ESSEX RAPE

SOW IN SMALL GRAIN. SOW AMONG THE CORN.

A very popular and useful green forage crop. Fine for quick pasture for hogs, sheep or chickens. May be sown early, either alone for early pasture or with oats to make pasture after the crop is cut. Rape is also sown in corn at last cultivation. This is a very profitable method where the crop is to be "hogged down" in October. Pkt. 5c; lb. 25c; 3 lbs. 60c postpaid. Not prepaid, 10 lbs. \$1.50; 25 lbs. \$3.00. See Farm Seed Price List for quantity prices.

SAND OR WINTER VETCH

Should be seeded in the fall. Makes fine pasture in the spring. Also used for hay. Gathers nitrogen like clover. Pkt. 10c; lb. 40c; 3 lbs. \$1.00 postpaid.

SOY BEANS

The most valuable method of using the Soy Beans in the Corn Belt is to plant them in the corn at the time of planting. Most planters now have either a Soy Bean attachment or one which can be ad-justed to the dropping of the beans. The crop is "hogged down" in October and produces pork at very low cost. If rape is sown in corn and beans at last cultivation, added value is given to the pasture. For hay or fertilizer purposes use one to two bushels per acre and plant with a grain drill. Harrow the beans until four or five inches high. As a crop to improve the soil it is equal to clover. The roots of the plant gather nitrogen in the same manner as clover. When grown for a seed crop, use 15 to 30 lbs. per acre, drilling in rows 32 to 36 inches apart, with beans one inch apart in the rows. Cultivate frequently. An average yield on good soil is 25 bushels per acre. There are a great number of varieties. We list only those varieties proven to be adapted to northern conditions. Pkt. any variety 5c; lb. 25c; 3 lbs. 60c postpaid. See Red Ink List for prices.

VARIETIES OF SOY BEANS

BLACK EYEBROW.—Beans are black and yellow, easily identified. Very prolific, early ripening and desirable. Produced the heaviest crop for us this season.

MANCHU.—Medium size, clear yellow bean; grows upright, heavy foliage and splendid yielder. Our stock is true to name, grown here in Iowa.

PEKIN.—A small black bean for hay. Goes much further in seeding.

MORSE.—A green seeded variety for planting with corn.

MILLETS

Nothing like millet to cover up shortage in hay. Can be sown in the middle or end of July and makes a valuable crop. Sow 50 lbs. per acre for hay, thirty pounds per acre for seed crop. As a rule a seed crop is profitable.

IOWA SHIELD GOLDEN MILLET.—This is an extra fancy grade of the true Golden Millet of the Tennessee or cultivated strain. Per lb. 25c; 3 lbs. 60c postpaid. See Red Ink price list for quantity.

SIBERIAN MILLET.—Frequently called Red Millet. Lb. 20c; 3 lbs. 50c prepaid. See Red Ink price list for quantity.

MANITOBA MILLET.—Sometimes called Hog Millet. Makes more seed than any other variety. Much used for poultry feed as it is heavy and plump. Lb. 20c; 3 lbs. 50c postpaid. See Red Ink list.

PERMANENT GRASS MIXTURES

These mixtures we make up to suit the various purposes and conditions. Nothing but good new seed of high germination is used. The proportions are based on State Experiment Station experience. Made up for the following uses:

Upland Meadow, Lowland Meadow, Upland Pasture, Lowland Pasture, Woodland Pasture. Ask us for estimate on any special mixture.

LAWN GRASSES

Our Lawn Grass is made of choice re-cleaned stocks. No chaff or screenings are ever used. People are more critical about seeding the lawn than any other seeding or planting they do and we know our Lawn Grass will stand the test of the most exacting home makers. We sell by weight, not by measure, which means more than double amount of clean seed for the price. Send for booklet, "How to Make a Lawn."

EVERGREEN MIXED LAWN GRASS SEED.—Our own special mixture of grass seeds suited for growing together in the central and northern states. Is formed of grasses which keep green from early spring all through the summer. Per lb. 50c; 3 lbs. \$1.40, postpaid. Not prepaid, 10 lbs. \$3.75.

SHADY PLACE MIXTURE.—This mixture is a combination of fine, dwarf-growing, evergreen varieties of grass which grow naturally in the woods or in shaded spots, to make a fine lawn under shade trees. Heavy seeding makes quick sod. Price per lb. 60c; 3 lbs. \$1.75, postpaid. Not prepaid, 10 lbs. \$5.00.

TERRACE LAWN MIXTURE.—This is a mixture of grasses which have strong and spreading roots, making a close turf which heavy rains cannot wash out easily. Per lb. 60c; 3 lbs. \$1.75, postpaid. Not prepaid, 10 lbs. \$5.00.

KENTUCKY BLUE GRASS

KENTUCKY BLUE GRASS, "Iowa Shield" Brand.—We pride ourselves on this extra choice grade, which is of such unusual purity and high germination. Lb. 50c; 3 lbs. for \$1.40, prepaid. Not prepaid, 10 lbs. \$3.75. See Farm Seed Price List.

WHITE DUTCH CLOVER

WHITE CLOVER, "Iowa Shield" Brand.—The well known common white clover. Lb. 75c; 3 lbs. \$2.00, postpaid. See Farm Seed List for quantity prices.

LAWN FLOWER MIXTURE

A special mixture of low growing, quick blooming flowers, very desirable for sowing with Lawn Grass Seed in the spring. Pkt. 10c; oz. 35c.

LAWN FERTILIZERS

PEERLESS FERTILIZER.—Lawn grass is a voracious feeder and will not thrive and hold its color and velvety appearance unless it is suitably fed. Our Peerless Fertilizer is of best quality, dry, finely pulverized, easy to apply, practically nonodoriferous. In preparing a new lawn sow 25 to 50 lbs. per 1,000 sq. ft. of surface, according to richness of soil, raking in thoroughly. For top dressing on lawns, use about 20 lbs. per 1,000 sq. ft. or 1,000 lbs. per acre. 10 lb. pkg. 50c; 25 lbs. \$1.00; 50 lbs. \$1.75; 100 lbs. \$3.00. Ask for price in quantity.

SHEEP MANURE.—This is a natural manure, unadulterated. If wanted in liquid form, dissolve at the rate of 1 lb. to 5 gallons of water. Price, 10 lbs. for 50c; 50 lbs. \$1.75; 100 lbs. for \$3.00. Ask for price in quantity.

PURE BONE MEAL.—It is clean, free from odor and gives results in added growth of grass. Preferred by many users because it lasts longer than other fertilizers, one application usually showing results for several seasons. 10 lbs. 50c; 50 lbs. \$1.75; 100 lbs. \$3.25. Ask for prices in quantity.



We do not handle imported clover or alfalfa as quality is always inferior, besides the danger of weed seeds.

Our Iowa Shield Brand stands for choicest, plumpest, cleanest seed. In figuring the cost of your seeding remember a pound of clean seed goes farther than a pound of seed and dirt mixed.

CLOVERS

MEDIUM OR COMMON RED CLOVER.—This is the most important of all clovers and the standard everywhere for hay and pasture and our "Iowa Shield" grade is the plumpest, cleanest, purest, fanciest grade, tested and of high quality.

MAMMOTH RED CLOVER.—This is also called Sapling or Pea Vine clover. It resembles the Medium Red but grows coarser and more vigorous. It is the best clover for pasturing, but not as desirable for hay.

ALSIKE CLOVER.—Alsiike clover is a perennial variety and because it does not die out, it is preferred for permanent pastures and meadows. It thrives on wet, heavy soils and in mucky ground better than any other clover.

WHITE DUTCH CLOVER.—The low-growing creeping hardy white-flowered sort. Its principal use is in permanent pastures. Per lb. 75c; 3 lbs. for \$2.00 postpaid. See Farm Seed Price List for quantity value.

TIMOTHY AND ALSIKE MIXTURE.—We mix this ourselves to safeguard quality and proportion. 25 lbs. Alsike to 75 lbs. timothy. A splendid item for permanent meadow and makes really desirable hay.

IOWA SHIELD ALFALFA

Send for free booklet "How to Grow and Use Alfalfa."

No crop is so valuable for permanent meadow as Alfalfa. Three crops of hay are cut in Iowa and the North generally. We procure our Alfalfa seed from the states of Kansas, Nebraska and South Dakota so that they are suitable for any section of the country. Per lb. 40c; 3 lbs. \$1.10 postpaid. See Farm Seed Price List for quantity price.

GRIMM ALFALFA

We are offering true Dakota grown stock of this variety. We will use the greatest care to provide our customers with genuine Grimm. Per lb. 60c; 3 lbs. \$1.75 postpaid. See Farm Seed Price List.

SCARIFIED SWEET CLOVER

Ask for Free Circular on Sweet Clover and price per bushel.

SCARIFYING THE SEED.—One great difficulty with Sweet Clover in the past was slow germination. In the natural condition, the seed has a very hard hull and the germ does not start quickly. Prof. H. D. Hughes of the Iowa Agricultural College at Ames, Iowa, perfected a machine and permitted us to install one in our warehouse so that we can now supply our customers with seed that will show a high percentage of germination.

WHITE BIENNIAL.—(Melilotus Alba, or Bokhara.) The white flowered variety. Per lb. 30c; 3 lbs. 75c.

YELLOW BIENNIAL.—(Melilotus Officialis.) Very similar to the white-flowered. Not so rank and coarse and for this reason is claimed to be superior for hay. Lb. 30c; 3 lbs. 75c.

HUBAM, ANNUAL, SWEET CLOVER.—This is the annual white-flowered Sweet Clover, discovered by Prof. Hughes of the Iowa Agricultural College, who traced its point of origin to Alabama, where it was found growing among the biennial variety. It was given the name "Hubam" for the sake of brevity and to combine the name of the discoverer with the place of discovery, and also to distinguish it from other clovers. It is expected by the use of Hubam to build the soil in one season as much as in two seasons with the common red clover. Lb. 50c; 3 lbs. \$1.40 postpaid.

GRASS SEED

TIMOTHY.—Is the foundation grass for meadow and pastures and is popular because it fits in with almost any rotation system. Generally sown with clover in spring, among oats, wheat or rye. Use 12 lbs. of seed per acre if alone; 10 lbs. with clover. Per lb. 25c; 3 lbs. 50c postpaid. Ask for price in quantity.

IOWA SHIELD KENTUCKY BLUE GRASS.—It thrives in all parts of the United States. As a pasture grass it affords more nourishment for live stock than any other. Sow 15 lbs. per acre. By mail, postpaid, per lb. 50c; 3 lbs. \$1.40. See Farm Seed Price List.

ORCHARD GRASS.—Thrives better in shaded situations than other grasses and is therefore specially valuable for woodland pastures. Per lb. 40c; 3 lbs. \$1.00 postpaid. See Farm Seed Price List.

RED TOP.—Very hardy perennial. Specially useful as an item in pastures or meadows on wet soils. Solid seed, per lb. 40c; 3 lbs. \$1.00 postpaid. See Farm Seed Price List.

ENGLISH BLUE GRASS.—Also called Meadow Fescue. (Weight 14 lbs. per bu.) Sow 20 lbs. per acre if alone. Lb. 40c; 3 lbs. \$1.00, postpaid. See Farm Seed Price List for quantity prices.

PERENNIAL RYE GRASS.—Also known as English Rye Grass. Legal weight 14 lbs. per bushel. Sow 20 lbs. to acre. Lb. 40c; 3 lbs. \$1.00 postpaid. See Farm Seed Price List.

ITALIAN RYE GRASS.—The annual rye grass which grows so quickly. Produces a fine crop of hay in 70 to 80 days. Will produce second crop suitable for pasturage. Sow 14 lbs. (1 bu.) per acre. Per lb. 35c; 3 lbs. \$1.00 postpaid. See Farm Seed Price List.

BERMUDA GRASS.—Withstands heat and drouth wonderfully. It runs over the ground forming a dense turf. Sow 8 lbs. per acre. Per lb. 75c; 3 lbs. \$2.00 postpaid. 5 lbs. or more, not prepaid, at 60c a lb.



SEED POTATOES

CUSTOMERS ARE TO PAY COST OF TRANSPORTATION

The potato crop of 1925 was very short. Seed will be uncertain and high in price. All seed we offer will be from best growing sections of Minnesota or Wisconsin and the best seed for use in Iowa.

Last year we advised the planting of potatoes. This year with the high cost of seed, plant only for early market. When Minnesota potatoes are ready for market we will see a much lower price level. Plant only early varieties and northern grown seed for best results.

EXTRA EARLY OHIO

It is an especial favorite with marketmen, and the most profitable they can grow. On account of early maturity you get the highest market prices. Will keep firm until late in the spring. Frequently sold under the name Early Six Weeks. See Red Ink List for prices.

EXTRA EARLY TRIUMPH

A popular first early variety. This is the round, red potato which is generally in our markets as new potatoes early in spring. The color is bright red. See Red Ink List for prices.

IRISH COBBLER

Has the form and color so popular in the market. Is prolific and profitable to the grower and has become a much prized variety. Matures as early as the Ohio, and is preferred because it is smooth and round in shape and of cream white color. Eyes well developed and slightly indented. See Red Ink List for prices.

RURAL NEW YORKER

Preferred by large buyers because it is large, unusually smooth, with few and shallow eyes, skin white as is also flesh, which is of good quality. Medium late and the best drouth resister. There is no other potato of more handsome appearance than the Rural New Yorker. It is very hardy and will stand the heaviest manuring without getting scabby or spotted. See Red Ink List for prices.

SEED SWEET POTATOES

Thrive on any of the loam soils of the Middle West, and do especially well on sandy ground. We usually ship from April 12th to 20th and notify customers when we start them.

EARLY YELLOW JERSEY.—Holds first place. Earliest and most productive; of large, short, chunky shape and of best quality. 10 lbs. \$1.25; one bushel basket, \$3.25.

NANCY HALL.—A variety originated in the South. Flesh is dark colored and cooks a bright orange. Splendid for baking and is extra sweet and full of sugar. 10 lbs. \$1.25; one bushel basket \$3.50. Ask for prices in quantities.



We give our Flower Seed Department as careful attention as any other part of our business. We like flowers and grow them by the acre on our home seed farm at Altoona, especially those varieties which require careful attention to keep them at their best. We are constantly trying new varieties and kinds and crossing and selecting to produce the choicest strains.

PRICES.—We believe that when you buy flower seed you want the best of that kind and we therefore offer only the best that can be grown or obtained, and will not handle the cheap grades.

CULTIVATION.—In general, early planting is desirable, as soon as ground is in nice condition and not sticky.

Good ground and good cultivation certainly make for size, color, and profusion of bloom.

ASTERS

Asters have always been popular and are becoming more so, owing to the great improvements that are being made. For late summer and fall they make a rich display.

SUPERB MIXED.—This mixture is made up of the various types and styles of asters and cannot fail to please you. There are no inferior strains in it. Pkt. 10c; ¼ oz. 35c; 1 oz. \$1.25.

IMPROVED BRANCHING.—This is the most popular florists' strain. It is also a popular type for outdoor growing. Mixed colors. Pkt. 10c; ¼ oz. 40c; 1 oz. \$1.25.

SEMPLE'S BRANCHING.—Flowers are large and double, borne on upright, compact bush. Mixed colors. Pkt. 5c; ¼ oz. 30c; 1 oz. \$1.00.

GIANT COMET MIXED.—Shape differs from all others, with their long, twisted petals. Perfectly double. Pkt. 10c; ¼ oz. 40c; 1 oz. \$1.25.

QUEEN OF THE MARKET.—A splendid early type of aster. Mixed colors. Pkt. 5c; ¼ oz. 30c; 1 oz. \$1.00.

BANNER ASTER COLLECTION.—Produce single daisy-like flowers in various colors. Pkt. 10c; ¼ oz. 50c.

ROYAL ASTERS.—This is a recently developed type of large-flowering asters that will be appreciated by everyone. Petals are broad, curved or shell-shaped, giving an exquisite effect. They are midseason in time of flowering and bloom until frost. We offer these in separate colors as follows: White, shell-pink, lavender, red, and purple—or all colors mixed. Pkt. 10c; ¼ oz. 75c; or one pkt. of each of the six for 40c.

HEART OF FRANCE.—This is the deepest and most brilliant red of any aster. Pkt. 10c.

BANNER BLUE.—The nearest to a pure blue in asters. Pkt. 10c.

SNOWDRIFT.—A large, full, double white of sturdy growth. Very free flowering. Pkt. 10c.

BANNER ASTER COLLECTION.—One packet each of Heart of France, Banner Blue, and Snowdrift for 25c. You will find our aster packets well filled.

ACROCLINIUM

A beautiful everlasting. Very delicate flowers. Colors white, pink and red. Double mixed. Pkt. 5c; oz. 30c.

AGERATUM

BLUE PERFECTION.—Flowers large and of deep blue. Pkt. 10c; ¼ oz. 25c.

ALBIFLORUM.—Like above only white. Pkt. 10c; ¼ oz. 25c.

ALYSSUM

SWEET.—Has little white flowers, useful for small bouquets. Its fragrance is very delicate. Makes pretty edging. Pkt. 5c; ¼ oz. 15c; oz. 25c.

LITTLE GEM.—Very dwarf and remarkably uniform. Only 3 or 4 in. high. Pkt. 5c; ¼ oz. 20c; oz. 50c.

LILAC QUEEN.—A new color in Alyssum. Becomes more pronounced the latter part of summer. Pkt. 10c.

AQUILEGIA

(Columbine)—Free flowering and deservedly popular hardy plants. Bloom profusely through spring into early summer. Hardy perennial.

LONG SPURRED HYBRIDS.—The spurs on these are very long. Many colors, all showy. Pkt. 25c.

CHRYSANTHA.—The beautiful large-flowered yellow columbine. Pkt. 10c.

COREULEA.—The true Rocky Mountain blue columbine. Pkt. 10c.

DOUBLE VARIETIES MIXED.—A fine assortment. Pkt. 10c.

AMARANTHUS

HARDY ANNUALS. SOW EARLY IN SPRING

PURPLE MANTLE.—A new amaranthus and the most striking and showy of all. Has large purple leaves, which do not fade in hot weather. The large fronds of reddish purple flowers almost cover the plants. A block of this variety on our Seed Farm was a delight from May until freezing weather. Pkt. 10c. Plant a hedge of it. 1 oz. 40c.

TRICOLOR.—Well known as "Joseph's Coat." Pkt. 10c.

CAUDATUS (Love Lies Bleeding).—Produces long, drooping chains of brilliant-colored flowers. Pkt. 10c.

MIXED VARIETIES.—Pkt. 5c; ¼ oz. 20c; oz. 40c.

AMBROSIA—PERFUME PLANT

Long spiral stem with abundant buds and blossoms. Very fragrant. Pkt. 10c; ¼ oz. 25c.

AMMOBIUM

ALATUM GRANDIFLORA.—A pretty everlasting white flower. Pkt. 5c.

ANTIRRHINUM

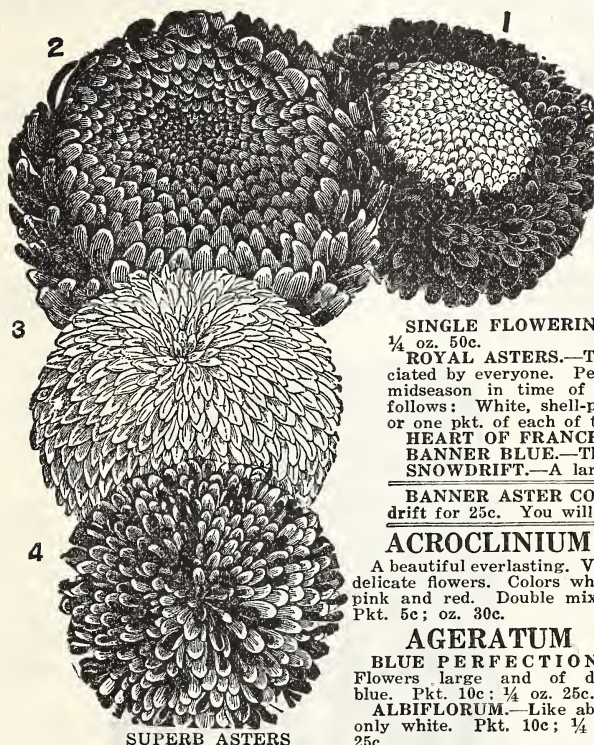
GIANT FLOWERED.—Most beautiful new class, having the finest colors and markings. Flowers are of immense size and produced in long spikes. Bloom all summer. Pkt. 10c; ¼ oz. 40c; oz. \$1.25.

ARCTOTIS GRANDIS

Remarkably handsome annual. Its flowers, borne on long stems, are large and showy, with a yellow zone at base; reverse of petals lilac-blue. Pkt. 10c.

BALLOON VINE

A pretty, rapid-growing climber. Flowers white, followed by balloon-like seed pods. Pkt. 10c; oz. 30c.





BALSAM

CANTERBURY BELLS

CAMPANULA MEDIUM.—A very pretty perennial, popular and well known. Double and single mixed colors. Pkt. 10c.

CANARY BIRD FLOWERS

A climber of delicate, finely-cut foliage and curious bright-yellow flowers, resembling the canary bird. Pkt. 10c; oz. 25c.

CARDINAL CLIMBER

A hybrid of Cypress Vine and Morning-glory. Grows 20 to 30 feet high. Bright cardinal flowers. Pkt. 10c.

CENTAUREA

CYANUS DOUBLE.—A most charming form of cornflower or Ragged Sailor. Pkt. 5c; ¼ oz. 20c; oz. 40c.

GYMNOCARPA (Dusty Miller).—The foliage of this variety is finely cut and silvery. Pkt. 10c; ¼ oz. 40c; oz. \$1.00.

AMERICANA.—The giant of the Centaureas. Flowers are four inches across and bloom a long time. Pkt. 10c.

IMPERIALIS MIXED.—Improved Sweet Sultan; long stemmed, graceful blossoms, deliciously fragrant. Pkt. 10c; ¼ oz. 25c; oz. 80c.

CANNA

FANCY LARGE FLOWERED.—Very large flowering, dwarf varieties 3½ feet high. Mixture of finest flowering sorts. Pkt. 10c; oz. 30c.

CARNATION

Finest of the Dianthus or Pink family. Very fragrant. Our seed unsurpassed.

DOUBLE EXTRA MIXED.—Pkt. 10c.

MARGUERITE.—Plants succeed in open garden and are of vigorous, dwarf, erect growth. Colors, markings, shading wonderful. Pkt. 10c.

CELOSIA

SPICATA.—A wonderful new variety of Celosia about 2½ feet in height and producing spikes of flowers of a bright rose color, when opening changing to silvery white. Pkt. 10c.

OSTRICH FEATHER.—Has beautifully curled plumes of various colors. Pkt. 5c.

COCKSCOMB

GIANT EMPRESS.—The Empress is the finest and most gorgeous variety; not uncommon for the heads to measure twelve inches in breadth. Purple combs and dark-brown foliage. Pkt. 10c.

ALL VARIETIES MIXED.—Pkt. 10c.

BALSAM

A most beautiful annual. Flowers are most brilliantly colored. Large and double.

PEERLESS MIXED.—A mixture of best strains. Flowers are double and all colors. Pkt. 10c; oz. 60c.

SCARLET RUNNER BEAN

A valuable climbing bean, having bright scarlet flowers and pods. Very showy as a climber; also valuable for table use. Pkt. 10c; ¼ lb. 20c; lb. 60c.

BRACHYCOME

Also called "Swan River Daisy." Covered during summer with a profusion of flowers. Blue and white. Pkt. 5c.

BROWALLIA

GRANDIFLORA.—Most beautiful of all Browallias. Form dense little bushes, covered with abundance of delightful sky-blue flowers. Pkt. 10c.

BRYANOPSIS

A splendid climber with pretty cherry-like green fruits which change to bright scarlet, striped with white. Pkt. 10c; oz. 40c.

BUTTERFLY FLOWER

This large-flowering variety of Schizanthus challenges the rare orchids in beauty. Easily grown. Pkt. 5c.

BURNING BUSH

One of the very best annual border or hedge plants, so symmetrical in form

that plants look like they had been clipped. Turn vivid red in the fall. Easily grown. Pkt. 5c; ¼ oz. 20c; oz. 50c.

CACALIA

COCCINEA.—Sometimes called Tassel Flower or Flora's Paint Brush. Pkt. 5c.

CALENDULA

Belongs to Marigold family. An annual of the easiest culture.

ORANGE KING.—Compact double flowers of bright orange color. Very beautiful. Pkt. 10c.

FINE MIXED.—Pkt. 5c; ¼ oz. 10c; oz. 25c.

CALLIOPSIS

Very showy. Two feet high. All shades of yellow, red, and brown. Double and single. Pkt. 5c; ¼ oz. 10c; oz. 30c.

COREOPSIS

LANCEOLATA.—Hardy perennial form of Calliopsis. Bright golden yellow. Blooms all summer. Pkt. 10c; ¼ oz. 25c; oz. 75c.

CAMPANULA

CUP AND SAUCER.—A beautiful variety, presenting form of cup and saucer, hence its name. Perennial. Mixed colors. Pkt. 10c.

SINGLE MIXED.—A choice mixture of single sorts. Pkt. 5c.

DOUBLE MIXED.—Choicest seed from double varieties. Pkt. 10c.

CHINESE WOOLFLOWER

CELOSIA CHILDSII.—A magnificent garden annual, producing numerous fluffy heads, resembling scarlet wool. If flowers are dried in a dark place they will retain their rich, scarlet color all winter. Pkt. 10c; ¼ oz. 60c.



CANDYTUFT

Easy to cultivate and blooms profusely. Hardy annual one foot high.

GIANT EMPRESS.—Covered with pure white, fragrant flowers. Fine edging. Pkt. 10c.

CRIMSON.—Companion to Giant Empress, and will be appreciated because of its unusual color. Pkt. 10c.

BEST MIXED.—Mixture of all varieties and colors. Pkt. 5c; ¼ oz. 15c; oz. 40c.

CLARKIA

A very pretty and desirable hardy annual. Flowers are white, red, purple, etc., borne in profusion during summer. Single and double mixed. Pkt. 5c.

COBAEA SCANDENS

A magnificent climber of rapid growth and beautiful blue flowers. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

COSMOS

A magnificent race of plants, growing about 4 to 6 feet high, and in fall literally covered with graceful flowers resembling single dahlias, but better for cutting. Easily raised from seed if sown early.

LADY LENOX.—Beautiful light-pink flowers of extra-large size. Pkt. 10c; $\frac{1}{4}$ oz. 20c; oz. 50c.

EARLY DAWN MIXED.—Is early, coming into bloom about two months from time of sowing and continuing until frost. Mixed colors. Pkt. 10c; $\frac{1}{4}$ oz. 20c; oz. 60c.

MAMMOTH PERFECTION.—Flowers double the size of the early flowering cosmos. Quite late. Pkt. 10c; $\frac{1}{4}$ oz. 20c; oz. 45c.

CYPRESS VINE

A beautiful, rapid climber with delicate dark green foliage and an abundance of star-shaped scarlet and white blossoms. Mixed colors. Pkt. 5c; oz. 40c.

DAHLIA

The dahlia is well known, but few are aware that if the seed is sown early in the spring they will bloom the first year.

DOUBLE MIXED.—Our seed is saved from large double flowers. Pkt. 10c.

DAISY

BEST DOUBLE MIXED.—Low-growing sorts for massed beds or borders. Known as English Daisies. Pkt. 10c.

AFRICAN GOLDEN.—This showy annual comes from South Africa. Blossoms 2 to 3 inches in diameter. A peculiar, rich, glossy color. Pkt. 10c.

SHASTA DAISY

ALASKA.—The best of the Shasta Daisies. Pkt. 10c.

DELPHINIUM (Perennial Larkspur)

The delphiniums are deservedly among the most popular perennials. If sown very early they will bloom the first year, or may be sown the first of autumn and will make fine plants for next year's flowers.

BELLADONNA.—Light blue, hardy and fine. Pkt. 20c.

BELLE MOSUM.—Dark blue. Better than old formosum. Pkt. 25c.

BUTTERFLY.—A distinct variety, growing about 18 inches high, with fine, feathery foliage. Large blossoms of intense gentian blue. Pkt. 10c.

GOLD MEDAL HYBRIDS.—The finest strain with immense spikes of large flowers. Many colors. Pkt. 25c.

DIANTHUS

Dianthus or Chinese Pinks furnish abundance of gay and pretty flowers until frozen.

ORIENTAL OR JAPANESE MIXED.—Markings and colors are rich and brilliant. Striped, blotched, and banded. Colors range from white to deep crimson and maroon and produce profusely and continuously. Pkt. 10c; $\frac{1}{4}$ oz. 30c; oz. 80c.

FIREBALL.—Very beautiful. Flowers are perfectly double and color a rich, velvety blood red. Pkt. 10c.

SNOWBALL.—Fit companion to above. Pkt. 10c.

DOUBLE DIADEM PINK.—A superb, large double flower. Magnificent in color. Pkt. 10c.

DOLICHOS (Hyacinth Bean)

MIXED COLORS.—A rapid-growing annual climber, flowering freely in clusters, followed by ornamental pods. Pkt. 5c; oz. 15c.

DAYLIGHT.—Pure white. Pkt. 10c; oz. 30c.

DARKNESS.—Both flowers and seed pods are a purplish red. Pkt. 10c; oz. 30c.

ELECTRIC LIGHT PLANT

A sturdy, bushy plant of about 4 feet, covered constantly with large spikes of flowers, which are pure white at base and range from rose to bright red at top. Showy and ornamental. Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 75c.

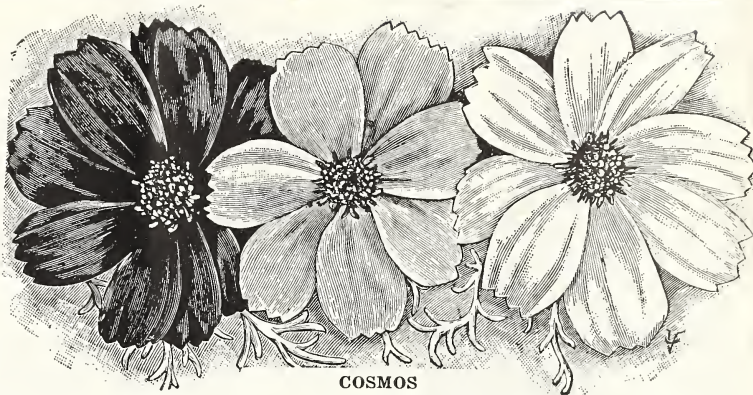
ESCHSCHOLTZIA

(California Poppy.)—Easy to grow, brilliant in color.

CRIMSON.—Flower bright crimson. Pkt. 10c.

GOLDEN WEST.—A giant flower of rich, golden-yellow color. Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 50c.

MIXED COLORS.—Pkt. 5c; $\frac{1}{4}$ oz. 10c; oz. 35c.



COSMOS

EUPHORBIA

VARIEGATED.—"Snow on the Mountain." Foliage ornamental, veined and margined white. Pkt. 5c.

FOXGLOVE

A showy perennial, easily grown. Always pleases.

GLOXINIA FLORA.—The largest flowers. Exquisite colors. Pkt. 10c.

FOUR O'CLOCK

(Mirabilis)—Marvel of Peru. A most brilliant, showy annual. Much used for ornamental hedges.

MIXED COLORS AND VARIETIES.—A fine assortment. Pkt. 5c; oz. 20c.

GAILARDIA

(Blanket Flower)—Exceedingly beautiful annuals. Very showy plants, 1 to 2 feet high.

PERFECTION.—A double flower, round as a ball. In most varied and pleasing colors. Pkt. 10c; $\frac{1}{4}$ oz. 20c; oz. 50c.

GRANDIFLORA.—This is the perennial variety, with very large flowers, dark crimson centers, marked with rings of brilliant colors. Pkt. 10c; $\frac{1}{4}$ oz. 20c; oz. 50c.

GERANIUM

GOOD VENTURE.—Easily raised from seed. It is fun to watch the little seedlings grow into large geraniums. Pkt. (about 40 seeds), 15c.

GLOBE AMARANTH

MIXED COLORS.—Popularly known as "Batchelor Buttons." Many colors. Pkt. 5c; $\frac{1}{4}$ oz. 15c; oz. 40c.

GODETIA

Handsome, showy annual about one foot high, of dwarf, compact growth. Bear freely. Exquisite colors. Pkt. 5c.

GOURDS—ORNAMENTAL MIXED

A mixture of the odd-shaped and fancy-colored sorts. Pkt. 5c; oz. 25c.

GRASS PINKS

DOUBLE CLOVE PINKS.—A fine type of the pretty clove-scented flowers, so much loved by our grandmothers. Colors range from pure white to dark red. A hardy perennial. Pkt. 10c; $\frac{1}{4}$ oz. 35c.

GYPHOPHILA

Sometimes called "Baby's Breath."

ELEGANS.—Mixed colors. Pkt. 5c.

PANICULATA.—White. Hardy perennial. Pkt. 10c.

HELIOTROPE

CALIFORNIA MAMMOTH.—A grand variety, producing immense flowers. Pkt. 10c.

HELICHRYSUM

Very pretty and popular, bearing large double flowers of different shades and colors. Retain their form and color many months. Particularly useful in winter decoration. Monster mixed. Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 50c.

HIBISCUS

MEHAN'S MARVEL MALLOW.—Produces wonderful flowers 8 to 10 inches in diameter. Colored from pure white to fiery red. Splendid for permanent planting. Pkt. 10c; $\frac{1}{4}$ oz. 40c; oz. \$1.00.

GOLDEN BOWL.—Enormous flowers, 5 to 6 inches across. Canary color with large, black center. This variety is an annual and does not live over winter. Pkt. 10c.



HOLLYHOCKS

HOLLYHOCKS

EVERBLOOMING ANNUAL.—Sown in the open ground in April, it blooms in August. Colors varied. Double, semi-double, single. Pkt. 10c; $\frac{1}{4}$ oz. 35c; oz. \$1.00.

CHATER'S PRIZE DOUBLE MIXED.—Magnificent double flowers 3 to 4 inches across. Of the brightest colors. Flowers beautiful and perfect, massed completely around spikes. A mixture of all colors. Pkt. 10c; $\frac{1}{4}$ oz. 50c; oz. \$1.25.

We can also supply Chater's Prize Hollyhocks in separate colors: White, pink, yellow, scarlet, or maroon, as preferred. Pkt., any one color, 10c.

ICE PLANT

A handsome and curious plant for hanging baskets, rockwork and vases. The leaves and stems appear as though covered with crystals. Pkt. 5c.

JOB'S TEARS

Produces beautiful seeds, about one-fourth inch in diameter, which are used like beads in fancy work. Grows 2 to 3 feet high with broad leaves. Pkt. 5c; oz. 15c.

JOB'S TEARS FOR FANCY WORK.—We also offer, in quantity at a low price, seeds of glossy pearl color, which are used for necklaces, basket and raffia work, and in strings for portieres. Not sold for germination. $\frac{1}{4}$ lb. 35c; lb. \$1.00.

KUDZU VINE (Jack and the Beanstalk)

Hardy, very rapid-growing vine. Pkt. 10c.

LARKSPUR

AMERICAN BANNER.—The only flower we know of which combines the national colors—

red, white, and blue—in each flower. It grows about two feet, and is fairly loaded with long spikes. Double striped and blotched flowers. Pkt. 10c.

DWARF ROCKET.—Grows about two feet in height. Mixed colors. Pkt. 5c; $\frac{1}{4}$ oz. 15c; oz. 40c.

TALL ROCKET.—Three or four feet high. Pkt. 5c; $\frac{1}{4}$ oz. 15c; oz. 40c.

LINUM

GRANDIFLORA RUBRUM (Scarlet Flax).—A showy annual. Crimson scarlet flower. Pkt. 5c; $\frac{1}{4}$ oz. 15c; oz. 50c.

PERENNIAL.—A beautiful, hardy perennial. Blooms constantly. Delicate blue flowers. Pkt. 10c.

LOBELIA

ERINUS.—Handsome, trailing annual. Flowers blue. Fine in vases and hanging baskets. Pkt. 10c.

COMPACTA.—The upright growing variety. Pkt. 10c.

MARIGOLD

PRIDE OF THE GARDEN.—We have selected these until the choicest only are contained in this strain. Pkt. 5c; $\frac{1}{4}$ oz. 15c; oz. 40c.

DWARF FRENCH.—Double mixed. Pkt. 5c; $\frac{1}{4}$ oz. 15c; oz. 40c.

MIGNONETTE

MACHET.—Distinct variety of great merit. Vigorous dwarf growth with very large spikes of deliciously scented red flowers. Pkt. 5c; $\frac{1}{4}$ oz. 15c; oz. 50c.

SWEET SCENTED.—Mixed colors. Pkt. 5c; oz. 25c.

MOMORDICA

Commonly known as Balsam Apple and Balsam Pear. Pkt. 10c; oz. 40c.

MORNING-GLORIES

IMPERIAL JAPANESE.—Remarkable for the large size and exquisite colors of the flowers. Vines grow quickly to a height of twenty feet. Colors, shadings and markings really wonders of nature. Single. Pkt. 10c; oz. 25c.

FRINGED JAPANESE.—Odd, yet attractive appearance. Similar in size and coloring to the Imperial strain. Pkt. 10c; oz. 30c.

IMPROVED CLIMBING.—The regular Morning-glory. Our mixture is made up of separate colors and is superb. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c.

BRAZILIAN.—One of the most luxuriant plants ever grown. With immense leaves and flowers. Pkt. 10c; oz. 25c.

MYOSOTIS (Forget-Me-Not)

VICTORIA.—The best variety for pot culture. Of dwarf, globular habit. Beautiful sky-blue flowers with center double. Pkt. 10c.

NASTURTIUMS

DWARF VARIETIES

AURORA.—Deep chrome yellow, blotched and veined purplish carmine. Pkt. 10c; oz. 20c.

BEAUTY.—Scarlet-splashed canary yellow. A fine variety. Attractive flower. Pkt. 10c; oz. 30c.

CHAMELEON.—Crimson, gold and bronze, bordered and flamed. Pkt. 10c; oz. 30c.

EMPRESS OF INDIA.—Dark purplish leaves and brilliant scarlet flowers. Pkt. 10c; oz. 30c.

GENERAL JACQUEMINOT.—Named for the rose; flowers bright crimson scarlet. Pkt. 10c; oz. 25c.

KING THEODORE.—The "black" nasturtium; deep velvety crimson. Pkt. 10c; oz. 30c

RUBY.—Bright and brilliant carmine color. Profuse bloomer. Pkt. 10c; oz. 25c.

VESUVIUS.—Bright salmon pink, veined deep orange. Brightest shade in list. Pkt. 10c; oz. 30c.

IMPERIAL MIXED.—Mixed by us from best-named varieties. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c.

TALL VARIETIES

FIRELIGHT.—Brilliant cardinal red. Brightest and most attractive color. Pkt. 10c; oz. 30c.

MIDNIGHT.—Dark-brownish red; profuse bloomer. Fine in mixed beds. Pkt. 10c; oz. 30c.

MOONLIGHT.—Pale straw or lemon yellow. A delicate soft shade. Pkt. 10c; oz. 25c.

SUNLIGHT.—Rich brilliant yellow color. Crinkled flowers of immense size. Pkt. 10c; oz. 30c.

TWILIGHT.—Lovely delicate flower of salmon rose or pink. Pkt. 10c; oz. 25c.

CAPRICE.—Changing colors, often a dozen different shades on a plant. Pkt. 10c; oz. 35c.

TALL VARIETIES MIXED.—The best mixture of tall nasturtiums we can make. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c. Our packets are filled so as to be worth while planting.

BRILLIANCY NASTURTIUM COLLECTION.—1 pkt. each of the 8 Dwarf varieties for 50c. 1 pkt. each of the 6 Tall varieties for 40c. Both collections, 85c.

MOONFLOWER

WHITE.—One of the grandest summer climbers, growing 25 to 40 feet high, and covered nightly and dull days with beautiful flowers from 5 to 6 inches in diameter. Fragrant. Pkt. of 6 seeds 10c; oz. 50c.

BLUE.—In striking contrast to the true White Moonflower. Pkt. 10c; oz. 50c.



NASTURTIUMS



PANSIES

PANSIES

Pansies are a specialty with us, and we use the greatest care in growing and importing the best strains. Packets contain 100 to 125 seeds. Directions for growing pansies will be mailed free on request.

PRETIOSO.—A new strain. Contains the widest range of colors, most diversified markings, and velvety substance. They are large, fine blooms, satiny finish, bright colors which really shine with lustre. Pkt. 10c; $\frac{1}{4}$ oz. \$2.00; oz. \$6.00.

AMERICAN GIANT.—This strain is of strong, robust, luxuriant growth and produces immense flowers. Grown expressly for us by a careful and enthusiastic pansy specialist. Pkt. 15c; $\frac{1}{4}$ oz. \$3.00; oz. \$8.00.

MASTERPIECE.—Distinct in form of flowers, the border of every petal undulated and curled. Flowers are very large. Pkt. 10c.

GIANT TRIMARDEAU.—Flowers of very large size. Each flower marked with three blotches or spots and stands well above foliage. Choice mixed colors. Pkt. 10c; $\frac{1}{4}$ oz. \$2.00; oz. \$6.00.

SEPARATE COLORS.—We can furnish Giant Flowered Pansies in the following separate colors: white, blue, yellow, red or black. Pkt. any color, each 10c; oz. \$6.00.

PENNISTEUM

Commonly called Purple Fountain Grass. Pkt. 10c.

PHLOX DRUMMONDI

If we could have but one flower for our garden, that one would be the Phlox. A brilliant, almost dazzling show; continual bloom.

FIREBALL.—Brilliant, dazzling scarlet, dwarf and compact. Pkt. 10c; $\frac{1}{4}$ oz. 50c; oz. \$1.50.

SNOWBALL.—Fit companion for Fireball. Color pure white. Pkt. 10c; $\frac{1}{4}$ oz. 50c; oz. \$1.50.

GRANDIFLORA MIXED.—Large-flowering strain. Our Phlox field was certainly a marvel of color all summer. Visitors would sometimes try to count the different colors, but the variations were so many some one would always find one more. Pkt. 10c; $\frac{1}{4}$ oz. 40c; oz. \$1.25.

POPPIES

DOUBLE SHIRLEY.—An entirely new and distinct Poppy, originated by us. It is a true Shirley or satin poppy, but the flowers are a beautiful double, which greatly enhances their beauty. As hardy and robust as the single. You will be pleased with it. Pkt. 15c.

AMERICAN FLAG.—Flowers are extra large, very double, snow-white, bordered with scarlet. Very showy variety. Pkt. 5c.

DOUBLE CARNATION.—Splendid assortment of best double carnation-flowered sorts. Pkt. 5c; $\frac{1}{4}$ oz. 15c; oz. 40c.

SANTA ROSA MIXED.—Improved Shirley poppy. Pkt. 5c; $\frac{1}{4}$ oz. 25c; oz. 75c.

ANNUAL VARIETIES MIXED.—Single and double. Pkt. 5c; $\frac{1}{4}$ oz. 15c; oz. 50c.

PERENNIAL POPPIES

ORIENTAL HYBRIDS.—For brilliancy nothing equals these. Flowers enormous size. Hardy. Pkt. 20c.

ICELAND.—Colors purest white to deepest orange scarlet. Pkt. 10c.

PORTULACA

GRANDIFLORA SINGLE MIXED.—Also known as rose moss. Pkt. 5c; $\frac{1}{4}$ oz. 25c; oz. 75c.

DOUBLE MIXED.—These old favorite flowers are double as a rose, brilliant with many shades of color. Pkt. 10c; $\frac{1}{4}$ oz. 75c.

PYRETHRUM

GOLDEN FEATHER.—Beautiful golden-leaved foliage plants. Per pkt. 10.

ROSEUM HYBRIDUM.—Painted daisies. Always please. Hardy perennial. Pkt. 10c.

RAINBOW CORN

(Striped Japanese Maize).—Pkt. 5c; oz. 15c; lb. \$1.50.

RHODANTHE

MIXED COLORS.—For winter bouquets. Pkt. 10c.

STATICE

(Sea Lavender).—Colors blue, yellow and white. Pkt. 10c.

PENTSTEMON

FINEST MIXED.—Hardy perennial. Many spikes of Gloxinia-like flowers—crimson, white, rose, purple, etc. Pkt. 10c.

SPLENDID PETUNIAS

Visitors to our Seed Farm were constantly exclaiming about our field of Petunias. Everyone declared they had not seen such large and bright flowers in Petunias before.

ROSY MORN.—A beautiful new petunia of clear rosy pink. A lovely shade for solid beds. Splendid for window-boxes. Pkt. 10c; $\frac{1}{4}$ oz. \$1.00.

GIANT FANCY.—The flowers are exquisitely ruffled or fringed, and of enormous size. Unlimited varieties of colors, linings, blotchings, and stripings. Pkt. 25c.

LITTLE PET (Howard's Star).—Free blooming. Flowers have a distinct five-pointed star in the center. Pkt. 15c.

INIMITABLE MIXED.—Large flowers with clear, bright colors. We grow these on our own farm and know they will please you. Pkt. 10c; $\frac{1}{4}$ oz. 60c; oz. \$2.00.

SWEET WILLIAMS

SINGLE MIXED.—Pkt. 5c; $\frac{1}{4}$ oz. 20c; oz. 75c.

DOUBLE MIXED.—Flowerets double and full centered. Pkt. 10c; $\frac{1}{4}$ oz. 30c; oz. 75c.

ANNUAL.—Blooms the first year only. Pkt. 10c.

STOCKS

PERPETUAL WHITE.—Princess Alice or Cut and Come Again. Pkt. 10c.

PERPETUAL MIXED.—A mixture of colors. Pkt. 10c.

EARLY LARGE FLOWERING DWARF.—Pkt. 10c; $\frac{1}{4}$ oz. 40c; oz. \$1.00.

SUNFLOWER

DOUBLE CHRYSANTHEMUM FLOWERED.—Dwarf growing, 4 to 6 feet; beautiful double flowers. Pkt. 10c.

GLOBE OF GOLD.—Double, about 4 feet high. Branching stems. In bloom it seems a mass of golden yellow. Pkt. 10c; oz. 25c.

EXCELSIOR BRANCHING.—Useful for cut flowers. Pkt. 10c.

RAINBOW SUNFLOWER.—Colors range from primrose to dark red. Beautifully mottled. Pkt. 10c.

PEERLESS MIXED.—Pkt. 5c; oz. 15c.

RICINUS (Castor Oil Plant)

CAMBODGIENSIS.—Has large, palm-like leaves of darkest reddish maroon. Grows 7 to 8 feet. Pkt. 5c; oz. 25c.

ZANZIBARENSIS.—Grows to a height of 12 to 14 feet, with leaves 2 to 4 feet across. Pkt. 10c; oz. 25c.

FIERY PLUME.—Has fiery red spikes of flowers and seed pods very striking. Grows 8 to 12 feet. Pkt. 10c; oz. 20c.

MIXED VARIETIES.—Mixtures of the above and many other choice sorts. Pkt. 5c; oz. 10c.

COMMON.—The common Castor Bean. Pkt. 5c; oz. 10c; lb. 50c. Ask for price in quantity.

SALPIGLOSSIS

Plants about 18 inches high, bearing through the season large flowers 3 inches across, of beautiful colors.

NEW VARIVEINED.—Beautifully veined and mottled. Pkt. 10c.

SALVIA

SPLENDENS.—Brilliant scarlet. Grows 2 to 3 feet. One of the most satisfactory bedding plants. Pkt. 10c; $\frac{1}{4}$ oz. 75c.

BONFIRE.—Dwarf, compact, free-blooming sort. Much earlier than Splendens and brighter in color. Pkt. 10c; $\frac{1}{4}$ oz. 75c.

SCABIOSA

LARGE FLOWERED MIXED.—Handsome double flowers in variety of shades and colors. Splendid for bouquets. Pkt. 10c; $\frac{1}{4}$ oz. 20c. 1 oz. 50c.

SENSITIVE PLANT

Very pretty and curious plant, its leaves closing when touched. Pkt. 10c.

SMILAX

Specially valued for decorating and floral work all the year. Pkt. 10c.

SPENCER SWEET PEAS

The distinguishing characteristic of the type is wavy-orchid-like appearance of the blossoms. They are strong, robust in growth, with extra-large flowers of exquisite, delicious beauty. If you want sweet peas for cut flowers, plant the Spencers.

AMERICA.—Ivory white with distinct stripes of bright crimson. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25.

BARBARA.—Salmon color without markings or shading. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25.

ELFRIDA PEARSON.—One of the largest flowers yet introduced. Color is pink, of a most lovely shade. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00.

FIERY CROSS.—The standard is bright orange scarlet, while the wings are rich orange cherry shade. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25.

FLORENCE MORSE.—Very delicate rose color, shaded a little darker pink at edges. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00.

KING MANOEL.—Deep, rich maroon. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00.

KING WHITE SPENCER.—The best white variety. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.00.

PRIMROSE SPENCER.—Finest quality of primrose shade. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00.

MASTERPIECE.—Color is soft, pleasing lavender with wings of French grey. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00.

ROYAL PURPLE.—The color is so rich that it will astonish with its beauty. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25.

SUNPROOF CRIMSON.—A splendid crimson color. Will stand summer heat without fading. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00.

WEDGEWOOD BLUE.—We give this preference among blue sorts. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25.

SPENCER MIXED.—This is a choice mixture of the Spencer types and varieties. Contains many sorts not named in our list. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

NITRAGIN.—A preparation to use with Sweet Peas as well as garden peas and beans. Promotes early and rapid growth. Garden size, 25c, postpaid.

DIVERSITY COLLECTION

12 Packets 12 Colors

One packet of each of the choicest Spencers, as named and described above. One packet of each \$1.00. One ounce of each \$3.00.

VERBENA

Deservedly a universal favorite. A constant bloomer and has a sweet fragrance.

NEW CENTURY MAMMOTH.—The most beautiful colors, largest flowers and largest truss. More vigorous than the ordinary. Pkt. 10c; $\frac{1}{4}$ oz. 35c; oz. \$1.25.

CANDIDISSIMA.—Large trusses of pure white flowers. Pkt. 10c; $\frac{1}{4}$ oz. 35c.

DEFIANCE.—A true scarlet, large and extra fine. Pkt. 10c; $\frac{1}{4}$ oz. 35c.

BANNER BLUE.—A fine blue. Pkt. 10c; $\frac{1}{4}$ oz. 35c.

BANNER VERBENA COLLECTION.—Red, White and Blue.

—One packet each of our national colors, 25c; $\frac{1}{4}$ oz. of each \$1.00.

WAHLENBERGIA

(Bell Flower.)—Beautiful large blue or white flowers. Pkt. 10c.

WALLFLOWER

Greatly prized for their exquisite fragrance.

EARLY FLOWERING.—Double and single; mixed colors. Pkt. 10c.

WISTARIA

One of the most popular hardy vines, climbing to a height of 50 feet or more. It is perennial and easily grown from seed. Pkt. 10c.



SWEET PEAS

GRANDIFLORA SWEET PEAS

The sweet peas here offered are of the grandiflora class. They are very free flowering and if you want grand show in the garden plant these. We offer what we know to be the cream of the list.

AMERICA.—Clear scarlet on a white ground. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c.

BLACK KNIGHT.—Rich, glossy maroon. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c.

DOROTHY ECKFORD.—The largest-flowered white. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c.

BLANCHE FERRY.—Beautiful light rose and white. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c.

KING EDWARD VII.—The best dark red in existence. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c.

LADY GRISEL HAMILTON.—Light lavender. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c.

LOVELY.—The most beautiful shades of soft shell pink. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. 60c.

LOTTIE ECKFORD.—Standard rose, the wings primrose shaded and splashed rose. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. 60c.

MRS. KENYON.—A handsome primrose. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c.

NAVY BLUE.—The darkest, truest blue. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c.

ROYAL PURPLE.—Striking dark flower. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c.

ROYAL ROSE.—A most beautiful, clear rose. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c.

IMPERIAL MIXED.—Many of the best sorts carefully selected so as to get the proper proportion of each color in assortment. Grown separately and mixed afterward. Makes the choicest mixture ever offered. We are sure our customers will be pleased with them. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 65c; lb. \$2.00.

GRANDIFLORA MIXED.—This mixture is grown as a mixture in the field. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.50.

EARLY FLOWERING MIXED.—A new type of sweet peas which bloom much earlier than Grandiflora or Spencer kinds. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

GRANDIFLORA COLLECTION.—Twelve full-size packets. Twelve beautiful kinds, all different, all named. Postpaid 50c.

PERENNIAL SWEET PEAS (Lathyrus).—A very popular perennial variety and it should be more generally used. Mixed colors. Blooms second year. Pkt. 10c; oz. 60c.

XERANTHEMUM

Free flowering and easily grown, making a handsome bed. All kinds mixed. Pkt. 10c.

ZINNIA

SPLENDOR.—The largest and brightest zinnia ever produced. We have grown these on the home farm for some time. We have tried out all the various strains, grown both here and in Europe, and have found nothing finer than our stock. You will wonder at their size and clear colors. Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 75c.

ELEGANS.—The old standard zinnia. Good colors. Pkt. 5c; $\frac{1}{4}$ oz. 15c; oz. 50c.

PIGMY OR LILIPUT.—Plants are small and of bushy growth. Beautiful little blossoms. Pkt. 10c.

FLOWER SEED MIXTURES

WILD GARDEN MIXTURE.—Contains many surprises. Pkt. 5c; $\frac{1}{4}$ oz. 10c; oz. 25c.

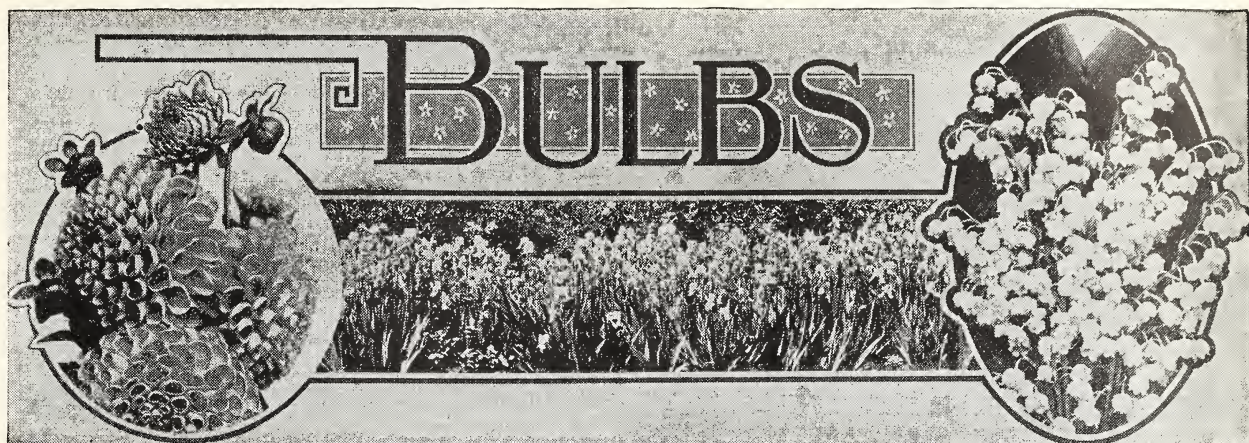
LOW-GROWING ANNUALS.—Flowers which grow less than one foot in height. Pkt. 5c; $\frac{1}{4}$ oz. 15c; oz. 40c.

FLOWERS FOR BOUQUETS.—Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 75c.

MIXED PERENNIALS.—Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 75c.

MIXED EVERLASTING (Straw Flowers).—Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 75c.

MIXTURE OF CLIMBERS.—Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 75c.



We specialize in growing and propagating Hardy Plants and Bulbs as this class of plants always gives satisfaction, and having once secured them, they continue to grow and blossom year after year and are less care and worry than tender flower beds.



CANNA

CALADIUM

AMARYLLIS

JOHNSONII.—Of strong, vigorous growth. Brilliant red flowers, with petals striped with white. Very fragrant and attractive. Each 50c.

FORMOSISSIMA.—(Jacobean Lily.)—Is of extremely rich, deep velvety crimson. Each 20c; 3 for 50c; dozen \$1.75.

CALADIUM

ESCULENTUM.—(Elephant's Ear.)—A splendid tropical plant, growing 4 to 5 feet with immense leaves, often growing 3 feet long. Of easy culture. Large bulbs 35c; 3 for 95c.

GLORIOUS CANNAS

These are the most showy and effective bedding plants. They have tropical appearing foliage and showy flowers, some of which are truly orchid-like.

AUSTRIA.—Height 6 feet. The giant golden lily flowered canna. Flowers 6 to 8 inches across. Plant a strong grower. Each 20 cents; doz. \$1.50.

BURBANK.—The American Orchid flowering canna. The flowers are immense in size, the upper petals spreading fully 7 inches. Toward the inner part the petals show fine crimson spots, all the rest of the flower is a rich, canary yellow. Each 20c; dozen \$1.50.

CHARLES HENDERSON.—Height 4 feet. Green foliage; one of the finest bedding varieties. Compact, vigorous growth and free bloomer. Color a deep rich crimson. Each 20c; dozen \$1.50.

AMERICAN BEAUTY.—This novelty we have listed in place of King Humbert. Very much like that well-known variety, but flower is the color of the American Beauty Rose. Four feet high, compact growth, and free flowering. Bronze foliage. Each 25c; dozen \$2.00.

MRS. FLORENCE HALL.—Height 4 feet. A striking new variety. Green foliage, yellow flowers with red markings. More attractive than the Florence Vaughan. Larger flower. Each 25c; dozen \$2.00.

RICHARD WALLACE.—Height 4½ feet. Flower canary yellow. Dark green, massive foliage and strong grower. Each 20c; dozen \$1.50.

THE PRESIDENT.—3½ feet tall. Very profuse bloomer. Flowers bright red color. Green foliage. Each 20c; dozen \$1.50.

GIANT BRONZE FOLIAGE.—8 feet. Large, tropical foliage. Makes an excellent screen. Grows rapidly. Flower small red. Each 15c; dozen \$1.00.

MIXED BEDDING CANNAS.—A mixture of the different sorts and colors. Each 15c; dozen \$1.00.

STATELY LILIES

Nothing can surpass the Lily in beauty, purity, delicacy and stately grandeur.

AURATUM.—(Japanese Gold-banded Lily.) This is justly entitled to the name given it, "The Queen of Lillies." Each 50c; 3 for \$1.25.

SPECIOSUM RUBRUM.—Flowers are white, with deep rosy or crimson band on each petal, with deeper colored spots between. Each 40c; 3 for \$1.00.

SPECIOSUM ALBUM.—The finest of the pure white, hardy perennial garden lilies. Has large white flowers of great substance beautifully recurved. Each 40c; 3 for \$1.00.

WALLACE.—A new lily of dwarf growth. Fine red flower. Fine red flower. Very hardy. Each 25c; 3 for 50c.

UMBELLATUM.—A very fine hardy garden lily of strong sturdy habit. Grows two or three feet high. Flower in June and July. Flowers are very shades of red, sometimes spotted. Each 25c; 3 for 50c.

DOUBLE TIGER LILY.—A double form of the Tiger Lily. The flower is densely double, color orange red. Each 25c; 3 for 50c.

TIGRINUM SPLENDENS.—The brilliant single-flowered form. Each 25c; 3 for 50c.





PEONIES

EDULIS SUPERBA.—(Decoration Day Peony.) Blooms early, usually for Memorial Day. Fine shell pink. Large double blossoms. Each 60c; 2 for \$1.00.

FLORAL TREASURE.—Soft blush pink, flowers very large and double. This is one of the finest pinks. Each \$1.00; 3 for \$2.00.

HUMEIL.—A cherry pink blossom with silvery tips. Each 75c; 3 for \$1.50.

MIKADO.—Bright deep rose with yellow stamens. A single Japanese variety and very attractive. Each 75c; 3 for \$2.00.

RUTH.—American Beauty rose. Foliage glossy green. A large double blossom. Each 60c; 3 for \$1.25.

GROVER CLEVELAND.—Dark crimson, rose type, late. A very fine large double red variety. Each 80c; 3 for \$1.75.

FELIX CROUSSE.—Large globular bright red. One of the best double reds for cutting. Each \$1.00; 3 for \$2.00.

MARECHAL VAILLANT.—Has magnificent red flowers. One of the largest reds. Needs good rich soil. Each 75c; 3 for \$1.50.

PRINCE IMPERIAL.—Semi-rose type. Amaranthine red. Blooms rather late. Each 75c; 2 for \$1.25.

RUBRA TRIUMPHANS.—A rich satiny crimson flower. Blooms early and has a pleasing odor. Each 75c; 3 for \$1.50.

FERN LEAF PEONY.—The plant is small, low growing and has fern like foliage. Flowers are double rich crimson and bloom very early. They increase slowly and are rare. Bud and blossom more beautiful than a hothouse rose. Each \$3.00; large, strong plant \$5.00.

FESTIVA MAXIMA.—By far the best double white. Flower an immense globe. Pure snowy white, the center marked with red. Each 75c; 3 for \$1.50.

MARIE LEMOINE.—Flowers open faint blush, but turn to white when fully open. Late, fragrant. Each 65c; 3 for \$1.50.

QUEEN VICTORIA.—A fine early white. Blossoms are double and compact. Each 65c; 3 for \$1.50.

WATER LILY PEONY.—A large single white with yellow stamens. Foliage is covered with the many blossoms. Each 65c; 3 for \$1.50.

VICTORIA TRICOLOR.—A very pleasing blossom. Outer petals pale rose, inner petals corn color and center bright rose. Each 60c; 3 for \$1.50.

MIXED PEONIES.—Your choice of color, 50c each or one each of pink, white and red for \$1.25.

CINNAMON VINE

Perfectly hardy, the stem dying every autumn, but growing again so rapidly as to completely cover any trellis or arbor very early in the season. Beautiful heart-shaped leaves. Clusters of delicate white flowers and delicious cinnamon odor. Large tubers postpaid for 15c; 2 for 25c; dozen \$1.25. Small bulbets 20c per dozen; 100 for \$1.00.

MADERIA VINE

Also called Mignonette Vine and Mexican Vine. A beautiful tuberous-rooted climber. 10c each; 50c per dozen.

OXALIS

Excellent for baskets, or for edgings in the garden.

DEPPI ALBA.—White 20c doz.; \$1.00 per 100. **DEPPI ROSEA.**—Pink. 20c doz.; \$1.00 per 100. **LASANDRA** (tallest)—Red. 20c doz.; \$1.00 per 100.

LILY OF THE VALLEY

Well known, universally admired. Nothing better for a shady spot where other flowers fail. 4 for 25c; 50c per dozen.

HEMEROCALIS LILIES

This class of perfectly hardy lilies pleases everyone. Flowers are three to five inches across, of true lily form. Have long stems; fine for cutting.

LEMON LILY.—Has bright lemon color and lemon fragrance. Price 25c; 3 for 50c.

ORANGE LILY.—Like above with deep rich orange color. Price 25c; 3 for 50c.

BUTTERCUP.—Flowers more open. Rich golden color. Price 25c; 3 for 50c.

SOVEREIGN.—The largest and tallest of all. Sure to please. 40c each; 3 for 75c.

SELECT DAHLIAS

The Dahlia is one of the showiest of autumn flowers. Of the many varieties we have selected the following as of special value:

A. D. LIVONI.—A splendid clear pink, beautifully quilled, and of perfect form. Free blooming. Each 30c; 3 for 75c.

DREERS WHITE.—A pure glistening white. Quilled flowers. Free blooming. Each 30c; 3 for 75c.

D. M. MOORE.—A new variety. Large, very dark maroon. Each 50c; 3 for \$1.25.

ELSIE DAVIDSON.—Giant flowering, deep golden yellow. Each 25c; 3 for 60c.

FRANK A. WALKER.—A charming shade of deep lavender pink. Each 30c; 3 for 75c.

JACK ROSE.—So named because color is like General Jacqueminot Rose. Each 25c; 3 for 60c.

KLEINDERTA BRONZE.—Large striking flower. Each 40c; 3 for \$1.00.

LIBELLE.—A solid-color cactus Dahlia of fine form. Clear deep rose purple. Each 25c; 3 for 65c.

MANZANITA.—Fine lavender, large. Each 40c; 3 for \$1.00.

MRS C. H. BRECK.—Decorative full double flower, soft yellow deeply suffused with carmine. Each 50c; 3 for \$1.25.

MILADY.—Light pink with darker pink center; early free flowering. Each 30c; 3 for 75c.

QUEEN VICTORIA.—Golden yellow. Blooms early. Each 25c; 3 for 60c.

RED HUSSAR.—Show type. A clear cardinal. Each 25c; 3 for 60c.

ROBERT BROOMFIELD.—Pure white. Tall grower. Each 25c; 3 for 50c.

SYLVIA.—A lovely shade of mauve pink. Each 25c; 3 for 65c.

MANHATTAN BEAUTY.—An excellent flower; free blooming. Striped red and white in distinct contrast. Each 25c; 3 for 60c.

EARLY RED.—A free-flowering, compact red flower. Very hardy. Multiplies rapidly. Fine for cutting. Each 25c; 3 for 50c.

MIXED.—All colors. Three for 50c; doz. \$1.50.



GLADIOLI

Gladioli are today perhaps the most popular flowers in America. There is more enthusiasm over them than any flower since the craze about tulips in Holland a century ago. New varieties are being offered at fabulous prices. A hundred dollars or more for one bulb is not uncommon.

This enthusiasm is not without cause. When we consider the ease with which gladioli are grown, their striking and gorgeous beauty, their perfection as a bouquet flower or as a show flower in the garden, we must concede that their popularity is merited.

In and around Des Moines are found many acres of the Queen of Flowers.

The blossoms are sold by the florists of the city and at our city market. Some of the old reliable kinds have been selected for our lists.

If you want varieties not listed or planting stock of any variety, write us for price.

The lists for your convenience have been arranged according to the value of the varieties. The prices are for large blooming size stock. All will blossom and produce good spikes of flowers.

Order a collection and share their beauty with your friends.

The following are still too rare to be sold at popular price, but you may want to get a start of them: DIENER'S AMERICAN BEAUTY—Brilliant American beauty color. One spike opening a large number of flowers. Makes an immense bouquet. 35c each.

DR. F. E. BENNETT—The new orange-flame. Will replace any scarlet now grown commercially. \$1.00 each.

GLENDAL—A bright purple shade, 30c each.

GIANT NYMPH—Salmon; strong grower. Splendid. 35c each.

HENRY FORD—The most talked of Glad ever produced. More beautiful in color than Anna Eberius. Should be in every collection. \$1.00 each.

J. A. CARBONE—Sold in 1923 for \$50.00 a bulb. We have a large stock of it and recommend it to you. Flower is an orange salmon, very iridescent. Fine, long well-built spikes. \$1.00 each.

MRS. F. C. PETERS—The color is a beautiful shade of rose-lilac. Flowers of large size and many open at a time on a strong, perfectly straight stem. A very choice variety. 50c each.

MRS. LEON DOUGLAS—We believe the flowers to be the largest in Gladioli. A real wonder Glad. Rose pink, striped with flame and scarlet. You surely want this one. \$1.00 each.

MRS. RICHARD LOHRMAN—Creamy shell pink. A color rivaling the finest orchid. Flowers are very large and edges heavily ruffled. Long, sturdy spikes. Wonderful for decorative purposes. A variety of indescribable beauty. 75c each.



Varieties at 5c each or 50c per dozen:

- AMERICA—Large, soft lavender pink.
CHICAGO WHITE—Very early white.
CRACKERJACK—Dark, velvety red.
GRETCHEN ZANG—Tall spike, soft shade of pink. A beautiful cut flower.
HALLEY—A dependable early salmon pink.
MINNESOTA—A light tint, nearly white, with red markings.
MRS. AGNES WHITING—Primulinus—A soft, clear yellow.
MRS. FRANCES KING—Light scarlet. No new variety has yet taken its place.
PANAMA—Large, deep rose pink; none better.
PEACE—Tall, very strong growing; the best commercial late white.
One each of the ten listed above for 45c postpaid. Three each for \$1.25. Ten each for \$3.50.

List of varieties at 10c each, \$1.00 per dozen:

- ALICE TIPLADY—Prim.—Large flowering; brilliant orange saffron. Very popular and in strong demand.
ALTAIR—Primulinus—Bright saffron yellow.
AMES—Dark red; early.
ANNA EBERIUS—Dark, velvety purple; large flower set on tall spike. Greatly admired.
BARON HULOT—Deep violet blue; one of the best blues.
EVELYN KIRTLAND—Long straight spike; large pink flowers; one of the best.
LE MARECHAL FOCH—Large, early pink; one of the best.
MARY FENNELL—Lavender pink with primrose throat.
MRS. FRANK PENDLETON—Light pink, blotched red; long spike.
MYRA—A giant flowered primulinus. Deep salmon over yellow ground. Exquisite and showy.
NIAGARA—A good yellow; a favorite variety.
1910 ROSE—Early bright rose pink.
PRINCE OF WALES—Very early; clear salmon with yellow throat; one of the most beautiful varieties; delicate.
PRINCEPINE—Rich carmine red with a distinct white blotch.
PRISCILLA—Primulinus—Rosy salmon; large and ruffled.
E. J. SHAYLOR—Beautiful, pure, deep rose-pink; ruffled.
SUMMER—Bright purple or magenta.
WAR—Tall spike; blood-red flower; solid color.
One each of the eighteen listed above for \$1.50. Three each for \$4.00. Ten each for \$12.00, postpaid.

The following at 15c each; \$1.50 per dozen:

- AVALON—A prize-winning ruffled variety. Blush white. Most desirable.
BYRON L. SMITH—Lavender pink on white ground. Most refined and attractive.
CARMEN SYLVA—An Iowa production of great merit. The coming commercial white.
ELORA—White with yellow and crimson throat.
FAIRFAX—Beautiful; strong grower; reddish purple flower.
FLORA—Golden yellow; nearly self color. Extra large flowers on a tall straight spike.
MAJESTIC—Orange pink; very early.
MRS. DR. NORTON—Finest cream and pink. Always awarded the highest honors.

15c varieties (continued):

- MURIEL—A beautiful light florists blue.
ROSE GLORY—Large ruffled, light pink flower.
SCARLANO—Light, bright orange red; darker throat; finely ruffled.
TOPAZ—Prim.—A beautiful exquisite salmon colored flower. One of the most beautiful primulinus hybrids yet produced.
TYRIAN BEAUTY—A beautiful, large flower, near "American Beauty" rose color; grand.
WELLINGTON—Large reddish purple, with lighter blotch.
One each of the fourteen above for \$1.75. Three each for \$5.00. Ten each for \$15.00, postpaid.

New and rare varieties at 25c each; \$2.50 per dozen:

- GOLD—An Iowa production, said by some to be the equal of Golden Measure. A better propagator.
GOLDEN MEASURE—The best exhibition yellow; extra large flowers on tall spikes; an indispensable yellow.
JACK LONDON—Light salmon; one of the best commercial varieties; in large demand.
JEWELL—Prim.—Beautiful flower of clear salmon pink.
MING TOY—Prim.—The most beautiful of all Primis. Yellow, shaded to old gold. No collection should be without this flower.
MONA LISA—Gorgeous flower of palest soft rose-pink. Very new.
MRS. E. H. BOTHIN—One of the loveliest combinations in Glads. It has created a sensation wherever shown. Light geranium pink, blotched throat, heavily ruffled.
ODIN—Early salmon pink.
ORANGE GLORY—Large orange yellow; ruffled.
PINK WONDER—Supreme among pink colors; very large.
PRIMUMELLA—Primulinus; ruffled orange pink.
ROSE ASH—Old rose blended with ash gray. Distinct and beautiful.
SCARLET PRINCEPS—A massive showy spike of large, bright colored flowers; an ideal landscape variety.
TITANIC—A blue-red; large and striking.
WHITE CITY—A new and purer white; lily-like flowers.
One each of the fifteen above for \$3.25. Three each for \$9.00. Ten each for \$27.00. Postpaid.

MIXTURES OF GLADIOLI

- PRIMULINUS MIXED—These are usually shades of yellow, orange, salmon and pink. Each 5c; doz. 50c; 100 \$4.00.
WHITE AND LIGHT MIXED—Each 10c; doz. 75c; 100 \$5.00.
PINK MIXED—Each 10c; doz. 75c; 100 \$5.00.
ALTOONA MIXED—Our finest mixture of large bulbs. Each 10c; doz. 75c; 100 \$5.00.
ALTOONA MIXED—Second size. Each 5c; doz. 50c; 100 \$4.00.
ELEGANT MIXED—A cheaper mixture of second size. Each 5c; doz. 25c; 100 \$2.00.
MIXED BULBLETS—All varieties. Most of them will bloom second year. 1/4 lb. 60c; 1/2 lb. \$1.00, postpaid. (More than a thousand in a half pound.)

HARDY PERENNIAL PLANTS

These are all hardy plants with strong, clean, vigorous roots. They are field grown and are shipped the day we dig them. Our price is never less than 25c for a single plant as it costs us that for packing and mailing, but you may have any six 25c plants for a dollar.

ACHILLEA.—(10 in.) Boule de Nieve. Like the Pearl, but has larger flower. Pure white and fine for cutting. Each 25c; 3 for 50c.

ACHILLEA.—Millifolium Roseum. Has finely cut foliage, flowers are delicate pink. Each 25c; 3 for 50c.

ANCHUSA.—Italica. (2 to 3 ft.) A fine blue flower for mass planting. Each 25c; 3 for 50c.

ASTER.—(4 ft.) Covered with a mass of flowers in late summer and fall. Colors, red, white or purple. Each 25c; 3 for 50c.

BLEEDING HEART.—A fine old-fashioned favorite. Has stalks of pendulous red hearts. Blooms very early. Large root 75c; 2 for \$1.00.

CALIMERIS.—Incisifolia. (4 ft.) White daisy-like flowers in August. Fine for cutting. Each 25c; 3 for 50c.

CHINESE LANTERN PLANT.—(18 in.) Scarlet Ground Cherry. The orange scarlet pods or "Lanterns" are used for winter bouquets. Each 25c; 3 for 50c.

CHRYSANTHEMUM.—(3 ft.) Hardy double yellow. Early. Each 25c; 3 for 50c.

COLUMBINE.—(3 ft.) Long Spurred Hybrids. A nice range of colors. Flowers last a long time. Each 30c; 3 for 60c.

DAY LILY.—(12 in.) A plant of neat habit. Nice for borders and likes shade. Each 25c; 3 for 50c.

DELPHINIUM.—(2 to 6 ft.) The lovely blue blossoms on tall spikes make the Delphinium one of the most popular of the perennials. The new varieties are much improved over the old hardy larkspurs.

BELLADONNA.—Light blue. Each 25c; 3 for 65c.

BELLAMOSA.—Dark blue. Each 25c; 3 for 65c.

GOLD MEDAL HYBRIDS.—No two just alike. Most of them have two colors. Very fine indeed. Each 35c; 3 for 75c.

GAILLARDIA.—(20 in.) Large flowered type. Very good for cutting. Has quantities of large scarlet and gold flowers all summer. Each 25c; 3 for 50c.



HOLLYHOCKS.—We have a fine stock of double-flowering hollyhocks. Mixed colors. Each 25c; 3 for 50c.

LINUM.—(30 in.) Foliage is gray green and is covered with fresh sky-blue flowers each morning. Very attractive. Each 25c; 3 for 50c.

LYCHNIS.—Jerusalem Cross. (3 ft.) Has umbells of brilliant orange scarlet blossoms. Each 25c; 3 for 50c.

LYTHRUM.—(3 ft.) This is one of the finest of the newer perennials. It has spikes of rose-colored flowers most of the summer. Each 35c; 3 for \$1.00.

MONARDA DIDYMA.—(18 in.) The plant has a mint fragrance and has bright scarlet blossoms in late summer. Each 25c; 3 for 40c.

ORIENTAL POPPY.—One of the most popular perennials. Very showy. Flowers are six inches across and flaming scarlet. Plants are dormant in August and should be moved then if possible. Each 40c; 3 for \$1.00.

PANSY PLANTS.—These are not perennials, but are strong plants grown out-of-doors from our choicest seed. Order early while plants are small, so they will stand shipping better. 6 for 35c; 12 for 60c; 50 for \$2.00.

PHLOX.—We have fine, hardy varieties in red, white, pink and lavender. Each 25c; 3 for 50c.

PHYSOSTEGIA.—(30 in.) False dragon head. Long heads of white or pale pink blossoms. Nice in mixed bouquets. Each 25c; 3 for 50c.

PLATYCODON.—Chinese balloon flower. The bud is balloon shaped. Flowers shades of blue or white. Each 25c; 3 for 50c.

PYRETHRUM.—Painted Daisy. (18 in.) Daisy-like blossoms in shades of pink and red. Each 25c; 3 for 60c.

RUBBEKIA.—Golden Glow. (6 ft.) One of the largest of the perennials and fine for screen planting. Has myriads of double yellow blossoms in August and September. Each 25c; 3 for 50c; Doz., \$1.50.

SEDUM SPECTABILIS.—(2 ft.) A giant live-forever with large heads of rose-colored flowers. Each 25c; 3 for 50c.

SEA HOLLY.—(30 in.) A thistlelike plant with both burrs and foliage a bright steel blue. Each 30c; 3 for 75c.

SWEET WILLIAMS.—Most of our stock is double, the flowers ranging from white to dark red. Mixed colors only. Each 25c; 3 for 50c.

VERONICA.—Blooms in early summer and has spikes of deep blue flowers. Very attractive. Each 25c; 3 for 50c.

YUCCA.—The soap root or Adam's Needle of the Western plains. Leaves are green all winter. Flowers are creamy bells that hang from a three-foot stalk. Each 30c; 3 for 75c.

VARIEGATED YUCCA.—See description on inside of back cover page. Each \$1.00; 3 for \$2.50.



GERMAN IRIS

These tall bearded iris are perfectly hardy, and thrive anywhere. The new varieties come in a wide range of color. Prices are 25c each; 3 for 50c; unless otherwise noted.

EUGENE SUE.—Creamy white, with purple spots and lines.

FLORENTINA.—Blue standards and purple falls. Early.

FLORENTINA ALBA.—Has silvery white blossoms, and is fragrant. Blooms extra early.

GAZELLE.—White frilled with rich lavender.

GYPSY QUEEN.—Standards are dull yellow, falls purple shaded bronze.

HOLLANDIA.—A clear reddish mauve throughout. Distinct and lovely.

LA INNOCENCE.—A good late white.

LA TENDRE.—Standards lavender, falls light blue veined violet.

MADAME CHEREAU.—White with each petal frilled with a border of blue.

MONSIGNOR.—A rich satiny violet; the falls marked with rich purple.

NERO.—Buds are almost black, the flower deepest velvety purple. This is the darkest flower we know. It blooms early and lasts well. Every one who sees our iris in bloom orders Nero. Each 40c; 3 for \$1.

NIEBELUNGEN.—Standards fawn; falls violet purple on bronze. A large flower on tall stems. Each 30c; 2 for 50c.

ORIFLAMME.—Standards very large and bright blue; falls are long and dark purple.

PALLIDA DALMATICA.—A large flower, with lavender standards and deeper falls. Sweet scented and fine for cutting.

PLUMERI.—A coppery rose claret. Tall and attractive.

POWHATAN.—Standards light bishop violet with deeper border; falls deep purple shaded crimson.

PRINCESS VICTORIA LOUISE.—Standards sulphur yellow; falls plum, bordered with cream.

MRS. NEUBRONNER.—Deep, rich golden yellow throughout.

QUEEN OF MAY.—A lovely rosy orchid, almost pink.

SAN SOULI.—Violet and yellow, flushed apricot. Blooms freely.

WYOMISSING.—Standards creamy white, suffused with rose; falls deep rose shading to flesh-colored border.

SPECTABILIS.—Standards clear blue; falls deep purple. Flowers large.

CALAMUS or SWEET FLAG.—Decorative and is grown for aromatic roots. Has no blossoms.

MIXED IRIS.—Ten of the above sorts, our choice for \$1.00; 50 for \$4.



SPRAYERS

THE AUTO SPRAY NO. 9—Compressed Air Sprayer.—Kept clean without difficulty. Diameter 7 inches. Height 2 feet. Capacity 3½ gallons. Shipping weight 15 lbs. Brass tank with "Auto Pop," \$9.00. Galvanized tank with "Auto Pop," \$6.00. Two foot brass extension rod, postpaid, 75 cents.

LEVER BUCKET SPRAY PUMP—Will not rust. Price, by express, \$6.00. Eight foot extension pipe (for use among large trees), by express, 75c. Mailing weight of pump 9 lbs.; of pipe 2 lbs.

LITTLE GIANT BUCKET PUMP—Made by Myers. One of the best selling pumps. Handle attached direct to plunger. Price \$4.50.

AUTO NO. 5, Accordion or Standard Type—Place end of hose in bucket or barrel and pump will draw the liquid to nozzle end. Easy to clean. Five different types of spray. Price \$5.00.

MYERS' BARREL SPRAY PUMP—A heavy brass cylinder barrel pump, for use in orchards and vineyards. It clamps onto the barrel so that it is rigid. The barrel can be set in a wagon or on a drag. It is equipped with 15 feet of hose and a graduated nozzle for either coarse or fine spray. Practically unbreakable and will last many years. Each \$14.00.

SUNSHINE WHEELBARROW SPRAYER—A light weight two-wheel sprayer. Just the thing for garden and small fruit. Tank holds ten gallons. Equipped with hose and changeable nozzle. Price \$18.00.

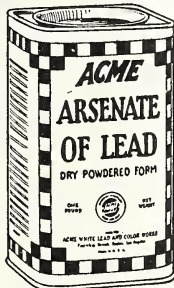
IMPROVED FAULTLESS OR "MISTY" SPRAYER—The spray nozzle protrudes through the tank, making it strong. Mailing weight 2 lbs. By express, brass \$1.25; galvanized iron 75c; tin 50c.

THE CONTINUOUS FAULTLESS SPRAYER—Made in such a way that the action of the plunger forces a continuous fine mist spray and drawing back plunger does not stop the flow of the spray. Add postage. Mailing weight 2 lbs. By express, brass \$1.50; galvanized iron \$1.25; tin \$1.00.

FAULTLESS POWDER SPRAYER—Made of tin, after the Faultless pattern. For use in applying Slug Shot, lime, paris green mixture or any powder form of insecticides. By express, not prepaid, 90c. Mailing weight 4 lbs.

DUSTERS—Buckets with perforated bottom, used for applying Slug Shot or other forms of powdered insecticides. Very convenient and effective for the purpose. Each, by express, 50c. Mailing weight 1 lb.

SPRAY MATERIALS



Poisons are not mailable. All items on this page go at customer's expense unless quoted postpaid.

DRY LIME SULFUR—Acme Dry Lime Sulfur is true lime sulfur solution in dry powder form. It has all the advantages of the liquid material but eliminates the disadvantage. Price, 1 lb. 35c; 5 lbs. \$1.25; 10 lbs. \$2.00; 25 lbs. \$5.00.

DRY POWDERED ARSENATE OF LEAD—It contains from 30 to 33% of Arsenic Oxide. It clings to the foliage for the longest possible time, which means effective control of insects. Price, ½ lb., 25c; 1 lb. 40c; 5 lbs. \$1.75.

FUNGI-BORDO—Fungi-Bordo is a true Bordeaux mixture in dry powdered form. Price, 1 lb. 30c; 5 lbs. \$1.40.

TWO-WAY SPRAY—Is a combination Bordeaux mixture and Arsenate of Lead to save time and trouble. Price, 1 lb. 40c; 5 lbs. \$1.75.

PARIS GREEN—¼ lb. 15c; 1 lb. 40c; 5 lbs. \$1.75.

NICO-FUME—A condensed preparation of tobacco. Forty per cent nicotine. Price, 4 oz. can 75c; 1 lb. \$1.25; 8 lbs. \$15.00.

LONDON PURPLE—An old insecticide now introduced in light powder form. Goes farther than Paris Green. Stays on longer and is more effective. Price ¼ lb. 20c; 1 lb. 40c; 5 lbs. \$1.75.

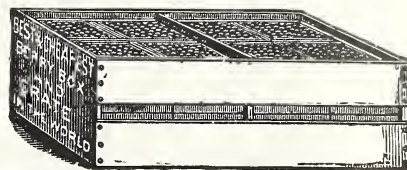
BLACK LEAF 40—This is about 40% nicotine. Very powerful. Price, 1 oz. can 35c; ½ lb. \$1.25; 2 lbs. \$3.75.

FUMIGATING AND DUSTING POWDER—Formerly sold under the name of Tobacco Dust. By express, 1 lb. 15c; 10 lbs. \$1.00; 100 lb. bag \$6.00.

PYRETHRUM POWDER—The active ingredient of all insect powders. Kills cockroaches, ants and flies; harmless to animals. ¼ lb. 40c; lb. \$1.25.

WOLF'S GARDITE—Is a dry powder in a carton with perforated top, so that it is easily applied. Not harmful to human health. Price, 25c postpaid. Ask for price in quantity.

HAMMOND'S SLUG SHOT—Destroys all kinds of insects injurious to trees, shrubs and plants. Poisonous to insects, but not to foliage. Lb. 25c; 5 lbs. 75c; 10 lbs. \$1.40.



FRUIT GROWERS' SUPPLIES

BERRY BOXES—Made of the best white wood, cut smoothly and perfect shape. Size 4¼ by 4¼ by 3¼. Price per 100 75c; 1,000 \$6.00. Weight 15 lbs. per hundred.

PINT BOXES—Same as regular quart size except they are only 2 inches high. Price per 100 70c; 1,000 \$5.50.

CRATES—Made of thoroughly seasoned wood, well ventilated at sides and bottom but with a tight cover to protect from dust. Shipped in the flat or knock down. Hold 24 quart boxes. Price per 10 \$3.00; per 100 \$27.50. Weight each 5 lbs.

CRATES FOR PINT BOXES—24 pint size. Per 10 \$2.50; per 100 \$21.00. Weight 3½ lbs.

FOLDING PAPER BERRY BOXES—Quart size. A handy box for small growers as no tacks or labor of making are required. Price per 100 \$1.20; per 1,000 \$10.00.

BERRY BOX TACKS—Superior to common nails as they hold much better. Made of the very best Swedes Iron. 1 lb. (will make a thousand boxes) 45c; 5 lbs. \$2.00.

STAPLING WIRE—To use with a stapling machine for making boxes. Per coil of 12 lbs. \$2.00.

MAGNETIC TACK HAMMERS—Pick up the tacks and save much of the labor. Each 30c postpaid.

SPHAGNUM MOSS—For packing plants and nursery stock. Per bale \$2.00.

TREE PRUNER—Strong wooden handles 24 inches long. Powerful and effective. The best pruner where branches are within reach. Each \$1.75. Mailing weight 4 lbs.

WATER'S TREE PRUNER—The standard make with six-foot pole \$2.00; 10-foot pole \$2.75. Cannot be mailed.

IMPROVED HAND PRUNING SHEARS—Made especially for pruning grape vines, etc. Eight inches long. Straight spring. Price \$1.75.

TWIN BRAND SHEARS—Best made; 8-inch \$2.00; 9-inch \$3.50.

CONNECTICUT PRUNING SHEARS—A good tool for light work. Steel blades and spring, cast handles. Price \$1.00.

TREE LABELS—3½-inch. Copper wired. Per 1,000 \$3.25. Weight 4 lbs. 50c per hundred postpaid.

POT LABELS—Smooth wood labels; 4-inch. Per 100 40c; per 1,000 \$2.40. 6-inch, per 100 60c; per 1,000 \$3.75. 10-inch per 100 \$1.25; per 1,000 \$9.00. Mailing weight—4-inch 4 lbs.; 6-inch 6 lbs.; 10-inch 10 lbs. per 1,000. Price per 100 is postpaid.

PAPER FLOWER POTS—Made of heavy, strong, waterproof paper. Fine for growing vegetable plants, pansies, asters, etc. Prices: 2¼-inch \$1.00 per 100 postpaid; 3-inch \$1.30 postpaid; 4-inch \$2.00 postpaid. Not prepaid, 2¼-inch \$5.00 per 1,000; 3-inch \$8.00 per 1,000; 4-inch \$11.00 per 1,000. Weight 30 lbs. per 1,000.

WIRE HANGING BASKETS—Are made of wire to be lined with moss and filled with dirt. They are light, strong and durable and have chain attached. Eight-inch size with enough moss to line it 50c each; 10-inch 60c; 12-inch each 75c postpaid.

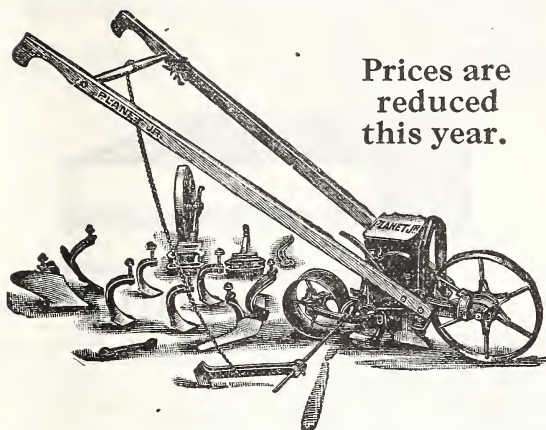
WIRE BRACKETS—This pattern is a very handsome bracket, made of tinued wire and easily put up. Simple, practical, durable. Price 25c each; \$2.00 per dozen postpaid.

SPRINKLERS—Made of pliable rubber with perforated cap. Holds about one pint. Handy for floral work and washing foliage of house plants. Each \$1.25 postpaid.

FISH OIL SOAP—Usually called Whale Oil Soap. For plants infested by vermin, also used against fungus diseases and will keep trunks of trees free from borers. 1 lb. 50c postpaid.

Tools and Implements

Send for Planet Jr. complete catalogue mailed free.



Prices are
reduced
this year.

NO. 25 COMBINED SEEDER, DOUBLE AND SINGLE WHEEL HOE.—This tool combines a first class hill-dropping seeder, a perfect drill seeder and when used as a cultivator it can be set up either as a double or single wheel hoe. Has steel frames and straddles crops until 20 inches high. Two acres a day can easily be worked, and when it is done, it will be a better job than several men could have done in the same time with hand hoes. The most complete of the interchangeable tools. Price \$21.50.

PLANET JR. NO. 3 HILL AND DRILL SEEDER.—A drill only. Style like No. 25. Price \$17.50.

PLANET JR. NO. 12 DOUBLE WHEEL HOE.—A double and single wheel hoe in one. Price \$10.75.

PLANET JR. NO. 16 SINGLE WHEEL HOE.—Has a great variety of attachments. Price \$9.00.

PLANET JR. NO. 17 SINGLE WHEEL HOE.—Same as No. 16 but has one pair 6-inch hoes, three cultivator teeth and large plow. Price \$7.75.

PLANET JR. NO. 18 SINGLE WHEEL HOE.—Same as No. 16 but has one pair 6-inch hoes only. Price \$5.75.

PLANET JR. NO. 8 COMBINED HORSE HOE AND CULTIVATOR.—Opens and closes furrows, hoes right up to the plants without danger of injury. Price \$17.50.

PLANET JR. NO. 90 TWELVE-TOOTH HARROW AND PULVERIZER.—Price \$18.00. NO. 90-B (Less pulverizer) \$14.75. The chisel-shaped teeth go deep or shallow, as you like.

PLANET JR. HAND FERTILIZER DRILL NO. 20D.—This improved machine is a great money maker for the market gardener or onion grower. Fertilizer can be applied before seeding or as a side dressing later. Sows accurately from 100 to 1,000 lbs. per acre. Applies right and left down center of row, or all at one side as preferred. Price, \$27.00.

Send for Planet Jr., complete catalog, mailed free.

HOLDEN'S IDEAL CORN TESTER NO. 1.—Made of galvanized iron. It is for testing ears of seed corn before shelling for seed. Capacity of this size, 400 ears (one to each compartment) and each compartment is removable at will. It is quite simple in operation and full directions for use will be sent with each tester. By express or freight, not prepaid, \$15.00.

HOLDEN'S IDEAL CORN TESTER NO. 4.
A single box tester of galvanized iron; capacity 200 tests. By express or freight, each \$8.00.

EUREKA POTATO PLANTER.—The best hand potato planter that we know of as it does the work perfectly. Also plants beans and corn equal to any corn planter. Price \$1.50.

EXCELSIOR WEEDING HOOK.—Can be used to advantage among small and tender plants.
By parcel post each 25c, dozen \$2.50; by express 20c; dozen \$2.25.

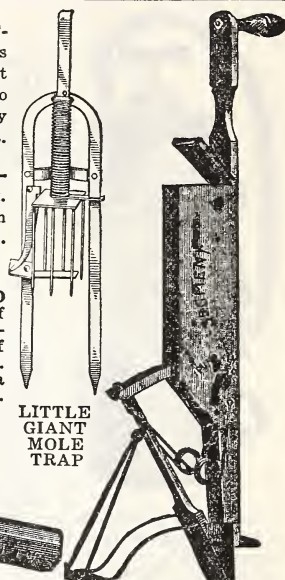
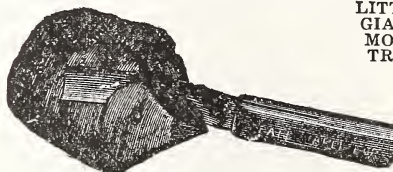


EUREKA POTATO PLANTER

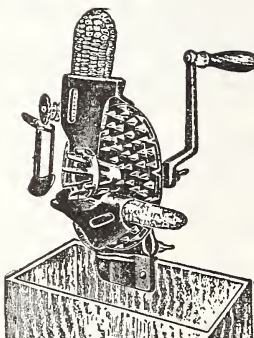
SEGMENT HAND CORN PLANTER.—Operated with one hand. Drops as fast as you walk and you make it drop where you want it. You can also plant beans or peas. Price each, by express, \$2.00. Mailing weight 4 lbs.

LITTLE GIANT MOLE TRAP.—Strong, durable and will do the work. Easily set. Has a strong spring with great force. Each by mail, \$1.50. By express, \$1.25.

CONCAVE AND CURVED SEED POTATO KNIFE.—Will pay for itself even if you have only a bushel of potatoes to cut. Allows the giving of each eye its full portion of the potato. Makes a clean, small cut. It is a pleasure to use it. 25c each postpaid.



SEGMENT CORN PLANTER



CYCLONE SEED SOWER

STAR CORN SHELLER.—A fine sheller for hand use. Has attachment for shelling tips and butts, making it desirable in seed corn. Also an extra attachment for shelling pop corn. Can be fastened on a box, throws cobs out the rear way from the shelled corn. Strong, well made and will last a lifetime. Each, by express, \$2.00. Weight 12 lbs.

CYCLONE SEED SOWER.—Farmers should have a small hand seed sower for emergency use. This is an improved style, strong, well made and durable. It is very easy to understand and easy to operate. Directions with each machine. By express, \$2.00. Mailing weight 4 lbs.

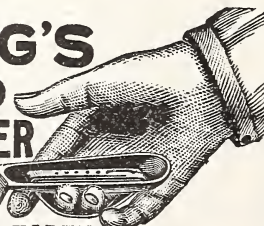
GARDEN TROWELS.—Postpaid, 5-inch 20c; 6-inch 25c.

FLORIST TROWELS.—Extra heavy and durable. Will last a lifetime. By parcel post, each \$1.10.

HAZELTINE HAND WEEDER.—It has five sharp edges. Each 35c, postpaid. Per dozen \$3.00, postpaid.



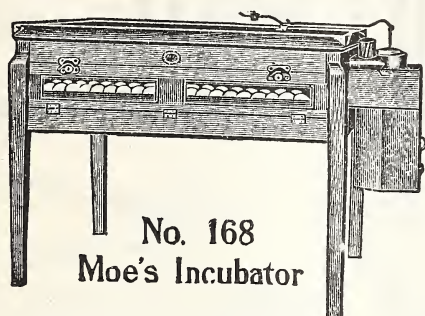
**LANG'S
HAND
WEEDER**
HANDIEST
TOOL
ON EARTH.



"LANG" HAND WEEDER.—Is in our opinion the best; its special features a band which passes over the fingers, which, when the tool is not in use, gives full use of the hand for pulling weeds and thinning out plants without laying down the tool. Price 25c each, postpaid. By express, per dozen \$2.00.

POULTRY SUPPLIES

Transportation to be paid by purchaser except where marked postpaid.

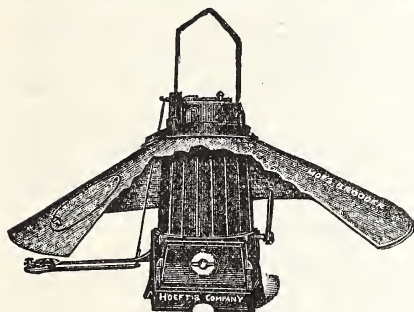


No. 168
Moe's Incubator

A beautiful machine of highest quality. Right principles throughout. The lamp carries the Underwriters Label, so is insurable. Hot water heat. Copper coils. Adjustable ventilators above and below. Also equipped with egg-turning attachment.

85-Egg Size	\$ 17.50	
150-Egg Size	21.00	(Freight paid within 500 miles from factory in Chicago.)
400-Egg Size	28.00	
600-Egg Size	41.00	
800-Egg Size	61.00	Send for complete list. A good machine at a low price.
1,200-Egg Size	120.00	

COAL-BURNING COLONY BROODER

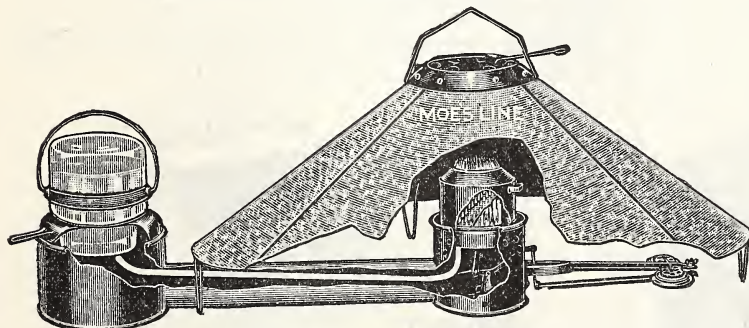


Burns any kind of coal. Hard coal holds fire longer.

All parts are readily accessible and a diversified heat can be maintained by raising or lowering the canopy. This is an advantage to those who use the stove for small pigs and lambs as it is really a fine general purpose heater at a low price.

No.	Diameter of Hover	Capacity Chicks	Height of Stove	Diameter of Fire Pot	Shipping Wt. with Hover	Price Complete
112	42 in.	500	22 in.	10 in.	80 lbs.	\$16.50
113	48 in.	1000	25 in.	11 in.	100 lbs.	21.50
116	56 in.	1200	27 in.	13 in.	125 lbs.	26.50

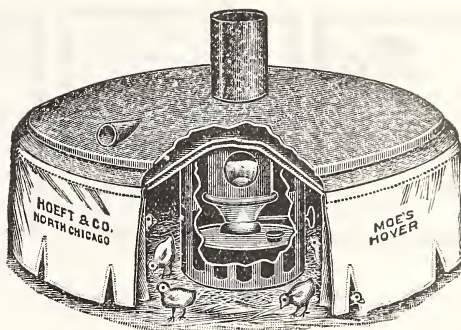
MOE'S OIL-BURNING BROODERS



A simple brooder of durable quality. Equipped with thermostat. Lamp has asbestos wicks. Can be sent by mail. Add postage to your zone.

32-inch hover	300-chick size	32 lbs. weight	\$13.00
42-inch hover	500-chick size	36 lbs. weight	14.50
52-inch hover	1,000-chick size	45 lbs. weight	16.00

Send for complete description and list.

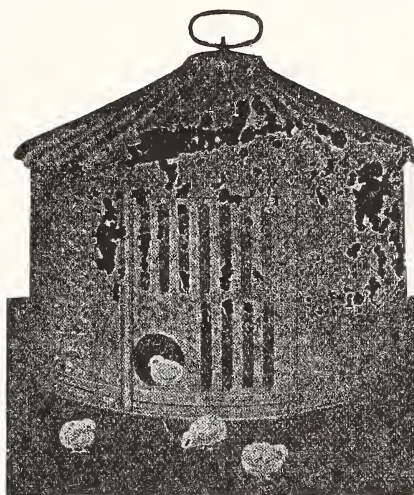


MOE'S CHICK HOVER

A very excellent hover at a low price.

No. 154. Moe's Hover, capacity 50 chicks. Diameter of canopy 19 in., height of hovering space 6½ in., depth of curtain 6 in., height to top of draft pipe 14 in., weight complete 6¼ lbs. Shipping weight 10 lbs.

Price each\$4.95



LUTHE BROOD COOP

THE LUTHE BROOD COOP.

A round metal coop, made of galvanized iron, with sliding door which can be fastened open at desired size. Adjustable top for ventilation. Rat, mink, weasel, mite and rain proof. Size 22 inches in diameter, 19 inches high. Each \$2.25; dozen \$22.00.

MODEL GRINDING MILL.—To grind shell, grit, bone and grains. Easily adjusted to grind coarse or fine as desired. No. 1, each \$3.50; No. 2, each \$6.00.

POULTRY REMEDIES

Prices in this department are not postpaid. At the Des Moines store we have a large line of poultry remedies. The list below is just a few of the most desirable. If you need any remedy not listed write us for it. If it is in the city we will get it for you.

HESS' PAN-A-CEA.—Packages at 75c and 12-lb. pail, \$1.50; 25-lb. pail, \$3.00.

LEE'S EGG MAKER.—Packages, 40c and 90c; 12-lb. pail, \$2.00; 25 lbs. \$3.75.

LEE'S GERMOZONE.—4 oz., 40c; 12 oz., 75c; 32 oz., \$1.50; ½ gal., \$3.00; 1 gal., \$4.50. Liquid not mailable.

LEE'S LICE KILLER.—Quart, 60c; ½ gal., 90c; 1 gal., \$1.50.

LEE'S LICE POWDER.—Packages, 25c and 50c.

SODIUM FLOURIDE.—Recommended by all experiment stations for lice and roaches. Try it. Package 25c.

CONKEY'S ROUP REMEDY.—Packages 25c, 50c and \$1. Postpaid.

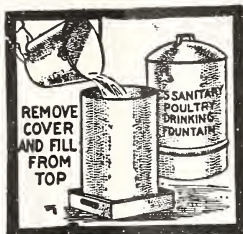
WHITE DIARRHEA REMEDY.—Packages, 60c and \$1.20.



DRY FEED HOPPER



SANITARY FEED TROUGH



TOP TILL FOUNTAIN



GRIT AND SHELL BOX



STAR FOUNTAIN

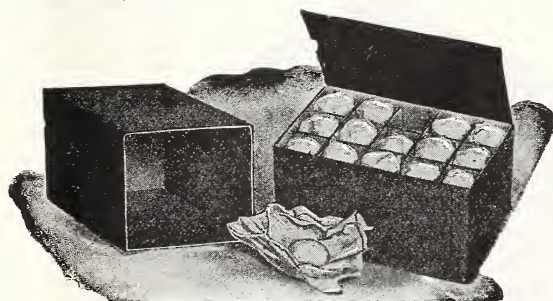
MOE'S TOP FILL FOUNTAIN.—Won't slop over. Dead air space keeps water cool in summer, warm in winter. By express, 1 gal. \$1.75; 2 gal. \$2.40; 4 gal. \$3.25. Mailing weights: 1 gal. 3 lbs.; 2 gal. 5 lbs.; 4 gal. 10 lbs.

DRY FEED HOPPER.—Three sizes: 12 qt. \$1.50, weight 8 lbs. 17 qts., \$2.00, weight 9 lbs.; 25 qts. \$2.50, weight 14 lbs.

SANITARY FEED TROUGH.—Can be used for feed, mash or water. Barred top prevents waste. Made of galvanized iron. By express, 8 in. long, 35c postpaid; 18 in. long, 50c postpaid; 24 in. long, 75c postpaid.

GRIT AND SHELL BOX.—Has three compartments for grit, shell and charcoal. Galvanized iron. Can be used as feed hopper for small chicks. ½ pk. \$1.00. Weight 4 lbs.

STAR FOUNTAIN.—By express 10c each; \$1.10 per doz. By mail 15c each; \$1.40 per doz.



CORRUGATED EGG CASE.—15 egg size \$2.40 per dozen, weight 15 lbs.; 30 egg size \$4.00 per dozen, weight 25 lbs.; 50 egg size \$5.00 per dozen; weight 38 lbs.; 100 egg size \$7.00 per dozen, not mailable.

LIVE CHICK BOX.—Made from corrugated paper with ventilating holes in top and sides. 25 chick size \$1.60 per dozen, weight 20 lbs.; 50 chick size \$2.25 per dozen, weight 25 lbs.; 100 chick size \$2.80 per dozen, weight 40 lbs.

TRAP NEST FRONTS.—Made of galvanized iron, 9x9 double shutter trap door. Easily fastened on nest boxes. 75c each postpaid. \$6.50 per dozen postpaid. By express, dozen \$5.50.

GLASS NEST EGGS.—By mail in regular ship-safe egg case, which may be used to ship eggs for hatching, 12 for 75c, postpaid; 50 for \$2.00, not postpaid.

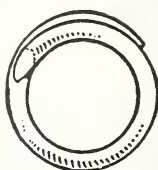
LIME NEST EGGS.—Preferred to glass eggs by most poultrymen. Dozen 60c in case, prepaid.

INSULATED FOUNTAINS

Thick double walls packed with an efficient insulating material, which keeps the water at an even temperature in winter or summer.

Feeds the water automatically, no valves or springs. Made of heavy galvanized iron with strong carrying handle.

No.	Capacity	Each
5	2 Gallons	\$3.50
6	3 "	4.00
7	5 "	5.00



KEY RING LEG BANDS



PILLING LANSDOWNE POULTRY MARKER.—A handy poultry marker. Look at the illustration and see how easy it is to use. Large or small size sent for 30c.



LEADER LEG BAND

LEADER LEG BAND NO. 2.—An adjustable band which can be used for any size fowl from a bantam to a turkey. Made of aluminum, light and smooth. Postpaid, 12 for 30c; \$1.00 per 100; \$4.50 for 500.

COLORLED LEADER LEG BANDS.—Made of aluminum with celluloid numbers in red, green, blue, yellow, pink and white. Numbered from 1 to 200 only. 25 for 70c; \$1.50 per 100 postpaid.

PHILADELPHIA POULTRY MARKER.—A convenient little spring punch for marking chickens. Marks small hole in web of the foot. 30 cents each postpaid.

KEY RING LEG BANDS.—Made of celluloid in six sizes and six colors. Spread easily to put on leg of fowl. Have no sharp edges. Sizes: Asiatic, American, Mediterranean, Bantam, Pigeon and Baby Chick. Specify in your order number of each color and size wanted. Prices: 3 largest sizes per dozen 25c; 100 75c; 1,000 for \$6.50 postpaid; 3 small sizes, doz. 25c; 100 65c; 1,000 for \$5.50 postpaid.

POULTRY FEEDS

See Red Ink List for quantity price.

ALFALFA CLOVER MEAL.—Valuable as a winter food. Price, 10 lbs. 40c; 100 lbs. \$3.00.

GROUND MEAT SCRAPS.—Fresh beef thoroughly cooked and dried. Excellent food for young chicks or laying hens. 10 lbs. \$1.00; 100 lbs. \$5.50.

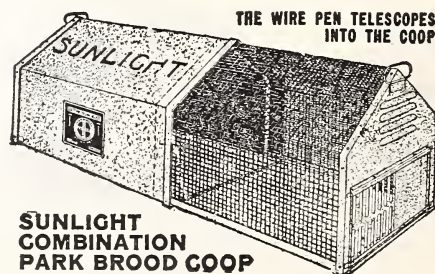
CRUSHED RAW BONE.—Best quality, made from fresh bones. 10 lbs. 50c; 100 lbs. \$4.50.

RAW BONE MEAL.—Ground fine for feeding small chickens. Price, 10 lbs. 50c; 100 lbs. \$4.50.

CRUSHED OYSTER SHELL.—A most important article for the poultry yard and should be supplied liberally. 25 lbs. 50c; 100 lbs. \$1.50.

CRYSO POULTRY GRIT.—Both fine and coarse sizes for fowls and chicks. Per 100 lbs. \$1.50.

CHARCOAL.—Granulated to just the right sizes for either poultry or chicks. The larger size is suitable for feeding fowls. Two sizes, 5 lbs. 45c; 10 lbs. 60c; 25 lbs. \$1.25; 50-lb. bag \$2.15.



SUNLIGHT COMBINATION PARK BROOD COOP

SUNLIGHT BROOD COOP.—An all-metal coop as shown in illustration. Size of coop, 18 in. wide, 24 in. long, 19½ in. high, while the wire park is practically the same size. The pen telescopes into the coop portion if desired, and has handles by which it is moved. Each \$4.00; 6 for \$22.00.



RED INK PRICES

FARM SEEDS

And POULTRY SUPPLIES

GOOD ONLY FOR ORDERS SENT WITHIN 10 DAYS

TODAY'S VALUES

Jan. 18, 1927

TERMS—Cash with order. No extra charge for bags. Express or freight charge on all farm seeds are to be paid by the purchaser. Reference, Valley National Bank, Des Moines. Descriptive catalogue free any time on request. Write for free circulars on farm crops.

CLOVER AND GRASS SEEDS



Clover and Grass Seeds are sold on a close margin of profit and the price fluctuates with the market. These prices are good for orders sent within ten days under general conditions, but of course are subject to stock unsold, and we reserve the right to change without notice should there be extreme fluctuations. If you do not buy until later ask for prices then.

15 lbs or more sold at the 100-lb. rate.

CLOVER SEED, weight 60 lbs. per bu.

15 lbs. or more sold at the 100-lb rate.

	Per 100 lbs.	Equals per bu.
Medium Red, Iowa Shield.....	\$43.00	\$25.80
Medium Red, Fancy.....	41.00	24.60
Medium Red, Choice or Standard.....	38.00	22.80
Mammoth Red, Iowa Shield.....	44.00	26.40
Mammoth Red, Fancy.....	42.00	25.20
Alsike, Iowa Shield.....	40.00	24.00
Alsike, Fancy.....	38.00	22.80
Alfalfa, Iowa Shield.....	26.00	15.60
Alfalfa, Fancy.....	24.00	14.40
Alfalfa, Dakota 12, Iowa Shield.....	28.00	16.80
Alfalfa, Grimm, Iowa Shield.....	45.00	27.00
Alfalfa, Cossack, Iowa Shield.....	46.00	27.60
White Sweet, Iowa Shield.....	18.00	10.80
White Sweet, Fancy.....	16.00	9.60
Yellow Sweet, Iowa Shield.....	19.00	11.40
White Dutch, Iowa Shield.....	50.00	30.00
White Dutch, Fancy.....	45.00	27.00

TIMOTHY—Iowa Shield (45 lbs. bu.)..... 9.00 4.05

TIMOTHY—Fancy..... 8.00 3.60

TIMOTHY AND ALSIKE MIXED (50 lbs. bu.)..... 16.00 8.00

FORAGE AND FODDER CROPS

Grow these to increase your supply of fodder, pasture and silage.

	100 lbs.
RAPE —Dwarf Essex.....	10.00
FIELD PEAS —White Canada.....	6.75
SAND VETCH	23.00
BUCKWHEAT —Silverhull.....	4.50
Japanese.....	4.50
SUDAN	10.00
MILLET —German.....	\$ 5.00
MILLET —Broom, Corn or Hog.....	4.00

GRAINS

	Bu.	10 bu
Rye, Winter Rye, Rosen.....	\$ 2.00	\$19.50
Flax, Wilt resistant.....	4.75	46.00

FERTILIZERS

Ask for prices in ton lots.

	Per 100 lbs.
Crushed Limestone, per bag.....	\$ 1.00
Acid Phosphate.....	1.50
Pulverized Sheep Manure.....	3.00
Pure Bone Meal.....	3.50
Nitrate of Soda.....	6.00
Garden Fertilizer..... 3- 8-4	3.00
Lawn Fertilizer..... 2-12-0	3.00

NOTICE—Our Choice Iowa Seeds are sent out with the mutual agreement and understanding that the seed must be satisfactory, or it may be returned to us within 15 days, and the money paid will be refunded.

This gives you time to inspect and test, or have inspected and tested by any authority, and we will abide by the report. There is no sale unless you are satisfied. But we do not and can not warrant the crop, as it is dependent on conditions beyond our control, and in no case shall we be liable for more than the purchase price of the seed.

THE IOWA SEED COMPANY.

POULTRY FOODS

Per 100 lbs.

Hen Food—Iowa Shield Brand.....	\$ 2.50
Egg Mash—Iowa Shield Brand.....	2.95
Chick Food—Iowa Shield Brand.....	2.65
Bran, best quality.....	1.75
Shorts, good quality.....	2.00
Milo Maize and Kaffir Corn, mixed.....	3.00
Barley, for feeding.....	2.00
Buckwheat, for feeding.....	4.00
Field Peas.....	6.50
Cracked Corn, screened.....	1.90
Alfalfa Meal.....	2.75
Oats.....	1.75
Wheat.....	3.00
Sunflower.....	10.00
Poultry Millet.....	3.50
Meat Scraps.....	5.50
Crushed Oyster Shell, regular.....	1.50
Poultry Grit.....	1.50
Crushed Raw Bone, poultry size.....	4.50
Fine Crushed Bone, for checks.....	4.50
Charcoal, fine or coarse.....	4.50
Schumaker Calf Meal.....	5.00
Full-O-Pep Growing Mash.....	3.75
Full-O-Pep Egg Mash.....	3.50
Full-O-Pep Chick Feed.....	3.25
Full-O-Pep Coarse Chick Feed.....	3.10
Full-O-Pep Scratch Grain.....	2.85
Rollod Oats.....	3.50
Fine Oat Meal.....	3.50
(10 cents per bag less if you haul it.) Ask for prices in ton lots.	

LIGHT GRASSES

100 lbs. per bu.

KY BLUE GRASS —Iowa Shield.....	\$35.00	\$ 4.80
Fancy.....	32.00	4.48
LAWN GRASS —Evergreen Mixed.....	40.00	6.00
Shady Place.....	50.00	7.50
Terrace Mixture.....	50.00	7.50
Capitol Park.....	55.00	8.25
ORCHARD GRASS	25.00	3.50
PERENNIAL RYE GRASS	15.00	2.10
BERMUDA GRASS	50.00	7.00
PERMANENT GRASS MIXTURES	30.00	4.50

BERRY BOXES

Quart Hallocks, in the flat, 1,000.....	\$ 6.00
Crates for 24 quart boxes, 100.....	23.00
Market Baskets, half-bushel, dozen.....	.95

SEED POTATOES

Per bu.

Extra Early Ohio.....	\$ 2.75
Early Triumph.....	3.00
Irish Cobbler.....	2.75
Early Rose.....	3.00
Burbanks.....	3.00
Rural New Yorker.....	2.75

SEED HEADQUARTERS East Fourth & Locust

The IOWA SEED CO. Des Moines, Ia.

Phone 182 Maple

SPRING 1927 **BARGAIN LIST OF** **Choice Iowa Seeds**

This BARGAIN LIST is good for all orders sent before JUNE, 1927, and should amount to at least 25 cents.

All seed on this list is our CHOICE IOWA SEED and are all regular well filled packets except PEAS, BEANS and CORN, which contain one ounce or more. Our regular packets of these contain two ounces. All prices are postpaid.

You can afford to order freely at these prices. Order as many of each as you like.

Asparagus—Conover's Colossal	\$.04	Herbs—Anise .....	.04
Beans—Improved Early Valentine.....	.04	Balm .....	.04
Challenge Black Wax.....	.04	Basil .....	.04
Pole; Speckled Cut Short.....	.04	Caraway .....	.04
Beet—Crosby's Improved Egyptian.....	.04	Catnip .....	.04
Mangel; Giant Sludstrop.....	.04	Dill .....	.04
Cabbage—Early Jersey Wakefield.....	.04	Poppy .....	.04
Short Stem Drumhead.....	.04	Saffron .....	.04
Celery—White Plume .....	.04	Summer Savory .....	.04
Carrots—Danvers .....	.04	Mixed Varieties .....	.04
Victoria .....	.04	Aster—Queen of the Market.....	.04
Sweet Corn—Early Sunrise.....	.04	Acroclinium .....	.04
Pharaoh's Dream .....	.04	Alyssum—Sweet .....	.04
Collards—Georgia .....	.04	Amaranthus—Purple Mantel .....	.04
Pop Corn—Monarch White Rice.....	.04	Mixed Varieties .....	.04
Cucumber—Early Cluster .....	.04	Ammobium Alatum .....	.04
Japanese Climbing .....	.04	Balsam—Fine Mixed .....	.04
Endive—Giant Fringed .....	.04	Brachycome .....	.04
Lettuce—Black Seeded Simpson.....	.04	Butterfly Flower .....	.04
Prizehead .....	.04	Burning Bush .....	.04
Garden Huckleberry .....	.04	Centaurea—Mixed .....	.04
Gourds—Japanese Nest Egg.....	.04	Celosia—Ostrich Feather .....	.04
Mixed Varieties .....	.04	Calacia—Coccinea .....	.04
Kale—Early Curled Mossback.....	.04	Calendula—Fine Mixed .....	.04
Kohl Rabi—Goliath Purple.....	.04	Campanula—Single .....	.04
Musk Melon—Rocky Ford.....	.04	Candytuft—Best Mixed .....	.04
Improved Green Nutmeg.....	.04	Clarkia .....	.04
Water Melon—Peerless .....	.04	Cosmos—Fine Mixed .....	.04
Tom Watson .....	.04	Cypress Vine .....	.04
Citron Melon—Apple Pie.....	.04	Dianthus—Fine Mixed .....	.04
Mustard—Ostrich Plume .....	.04	Dolochos—Mixed Colors .....	.04
Onion—Extra Early Barletta.....	.04	Eschscholtzia—Mixed Colors .....	.04
Large Red Weathersfield.....	.04	Euphorbia—Variegated .....	.04
Okra—White Velvet .....	.04	Four-O-Clock—Mixed Colors .....	.04
Peas—Alaska .....	.04	Globe Amaranth .....	.04
Notts Excelsior .....	.04	Godetia .....	.04
Everbearing .....	.04	Gourds—Ornamental .....	.04
Pepper—Red Chilli .....	.04	Gypsophila—Elegans .....	.04
Chinese Giant .....	.04	Ice Plant .....	.04
Pumpkin—Large Cheese .....	.04	Job's Tears .....	.04
Golden Cushaw .....	.04	Larkspur—Dwarf .....	.04
Connecticut Field .....	.04	Tall .....	.04
Radish—French Breakfast .....	.04	Linum—Scarlet .....	.04
Icele .....	.04	Marigold—Pride of the Garden.....	.04
Early Long Scarlet.....	.04	Mignonette—Sweet Scented .....	.04
Spinach—Victoria .....	.04	Morning Glory—Improved Climbing.....	.04
Bloomsdale .....	.04	Nasturtium—Dwarf .....	.04
Squash—Early Prolific Marrow.....	.04	Tall .....	.04
True Hubbard .....	.04	Pansy—Fine Mixed .....	.04
White Bush Scalloped.....	.04	Phlox—Mixed .....	.04
Turnip—Early White Model.....	.04	Poppy—Mixed .....	.04
Purple Top Strap Leaf.....	.04	Portulacae—Single .....	.04
Tomato—Dwarf Champion .....	.04	Rainbow Corn .....	.04
Superlative .....	.04	Sunflower—Peerless Mixed .....	.04
Ponderosa .....	.04	Rielus—Mixed .....	.04
		Sweet Peas—Grandiflora .....	.04
		Zinnia—Elegans04
		Wild Garden Mixture.....	.04

The IOWA SEED COMPANY
DES MOINES, IOWA

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This is the machine that garden growers and florists everywhere are talking about—the famous BARKER Weeder, Mulcher and Cultivator

Revolving blades work in combination with a stationary underground knife. Positively the most thorough and effective weed killer ever used. In the same operation they break up the clods and surface crust into a level, porous, moisture-retaining top mulch.

Much better and faster and easier than a wheel hoe. No jerking, pulling, jabbing; no strain on the arms and shoulders.

The BARKER is extensively advertised in The Country Gentleman and other widely read rural publications. Comes complete with shovels for deeper cultivations and guards to protect the leaves.

Size	Price
6D Works 6-inch strip.....	\$ 9.25
8½D Works 8½-inch strip....	10.60
10D Works 10-inch strip.....	11.75
11D Works 11-inch strip.....	12.60
12D Works 12-inch strip.....	13.45

Blades and knife of high grade steel. Long, heavy handle. Strongly built throughout. Shovel attachment has 3 shovels, except on size 6D which has 2 shovels.



New Variegated Yucca

Each leaf is beautifully striped green and gold.

The plant is perfectly hardy and holds its foliage all winter.

A most striking plant for the lawn or hardy border.

The photograph does not show its real beauty for this is in its contrast of color.

This is one of the most unusual plants of recent introduction. We predict that they will be in demand for years to come. Buy yours now.

Large one-year-old plant, \$1.00; three for \$2.50, postpaid.

Altoona Farm Collection

This collection is made up of desirable varieties which we grow at the Altoona Farm. Descriptions will be found on the regular catalog pages.

For the farm garden buy the following quantities, for \$2.00 postpaid:

1 oz.	Early Dawn Tomato	\$.35
1 oz.	Orange Watermelon .....	.30
1 oz.	Banana Squash .....	.15
1 lb.	Sunrise Sweet Corn .....	.30
1 oz.	Dipper Gourd .....	.25
¼ lb.	Hubbard Squash .....	.50
1 lb.	Country Gentleman Corn .....	.30
1 oz.	Golden Sweet Melon .....	.25
1 oz.	Grand Rapids Melon .....	.20

\$2.60

All, postpaid, for\$2.00

One packet each of the above (for smaller gardens) postpaid for.....60c

THE IOWA SEED COMPANY

Seedsman

East Fourth and Locust Sts.

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**EVERY BOY
SHOULD HAVE A GARDEN.**

CHILDREN'S GARDEN COLLECTION

(DESCRIBED ON PAGE 12)

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